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&lt;210&gt; 24

&lt;211&gt; 2323

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 24

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<210> 25  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<400> 25						
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<210> 26  
 <211> 2036  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1599)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (2028)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2032)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<400> 26						
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tatttataaa	agaatcmamc	mgttgcatgc	atgaggctgt	gaagtcagat	atthagtaat	540
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&lt;210&gt; 27

&lt;211&gt; 717

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 27

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gattagatag	ggatgggtgg	gtatcttctt	acagtttccc	tgtaacaag	aaagtcagag	660
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&lt;210&gt; 28

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 28

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argcttcgaa	gargtaatar	amccctggag	agagaaactg	agacatgtaa	gaggggtggga	420
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cacagaaatc	ctagg					495

<210> 29  
 <211> 556  
 <212> DNA  
 <213> Homo sapiens

<400> 29						
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ggcactgggtg	cttcttctgt	gcctactggg	aggggtgcag	cagagtgggt	cagtctggga	180
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<210> 30  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (347)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (363)  
 <223> n equals a,t,g, or c

<400> 30						
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actttctttt	cagcttattt	ctgtggcctg	cctttgaaga	tagagctttg	ttgatattta	180
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tatgaatagt	gaga					434

<210> 31  
 <211> 715  
 <212> DNA  
 <213> Homo sapiens

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<400> 31
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atgactatct ccaaaatgca cctcctggat tttttccgag acttgggtgtt attgggttttg      180
ctggccttat tggactcctt ttggctagag gttcaaaaat aaagaagcta gtgtatccgc      240
ctgggtttcat gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc      300
aggtcagtggt ggagagatta tatgactggg gtttacgagg atatatagtc atagaagatt      360
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aaactccatg ctctgccatc ttaatcagtt ataggtaaac attggaactc catagaataa      480
atcagtatct ctacagaaaa atggcataga agtcagtatt gaatgtatta aattggcttt      540
cttcttcagg aaaaactaga ccagacctct gttatcttct gtgaaatcat cctacaagca      600
aactaacctg gaatcccttc acctagagat aatgtacaag ccttagaact cctcattctc      660
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<210> 32
<211> 486
<212> DNA
<213> Homo sapiens

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<220>
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<222> (374)
<223> n equals a,t,g, or c

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<220>
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<222> (422)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (442)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (474)
<223> n equals a,t,g, or c

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cagctcacc ctaaaccatg cccctctctt cctcctgctt gcccctctct gctccctgga      180
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ccagctacca tgccctttgc tctgttcagc tcagctcctc aagggaattg tctamcctcg      300
gtgtcctgct tccctccctc aacctcctca ccctgctcca agctggcatc tgcccctcca      360
ctgcacagaa cggntcccc cccaacctgc tttacaggga ggaagcagca acatggaaga      420
ancgaactat aggggctaca angatgctca gctctgatcc cgaaggcaaa aagnatcttt      480
gggcac

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<210> 33
<211> 725
<212> DNA
<213> Homo sapiens

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<400> 33

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agtcagaaat	gtcctaaata	acaaactatt	ttgtatttaa	tttagggaag	actaaaggga	240
agaaaaatga	aaactcagtc	tttatgttaag	ctccaaggat	attagggtct	aaagggtctt	300
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tgtatatgct	atcctaactg	ttaattgtat	tattgattat	gttgattatc	ttgcttgaag	660
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aaaaa						725

<210> 34  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (410)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (436)  
 <223> n equals a,t,g, or c

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ccaacgtgga	aaagtattcc	aggtccatcc
aggaatctta	taacctacgt	ggactctttc
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aaaaaaaaaa	aactcna	

<210> 35  
 <211> 943  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

098827.061801

<222> (333)  
<223> n equals a,t,g, or c

<220>  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 36

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gctttcaaat	taaaatgacc	ttttcttctt	tgaaactttt	tgttttgact	tgtataatta	420
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tcagtagtaa	tcttgttcat	gtgcttttac	agccagctac	atttaaggat	gtattagtta	540
cagaaattat	atgtctgtgt	atgtgtctct	actcaataaa	gtacatgcct	ccacaaaaaa	600
aaaa						604

&lt;210&gt; 37

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (328)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 37

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aaaaccagat	catgatgacc	aaagtytaca	tattcttgat	cttcatgggtg	ctgatcctgc	240
cctccctggg	tctcaccagg	tatatgcac	cacyttctgy	tctaaattca	gaataagagt	300
cacatcagga	gagcactgtc	cccagganaa	tgcaaacggg	ttggcagca		349

&lt;210&gt; 38

&lt;211&gt; 672

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (353)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 38

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tcggtaaccg	tgcttggttg	tttgggtgatt	gtwatcggtg	ctacagagct	gatggtgcca	120
ggaacggcag	cagcgggtcac	aggcaagtaa	atagtaatgc	cggagcaagt	ttcctccggc	180
tttatcatgt	cacctactgt	ggtatatgcg	ttgtggtctg	ccaactttgc	cgtgaacaat	240
ttcagcaata	atcagatggc	ggctggcgca	atattcaaga	taacgcctgg	cagtgggtgcg	300
gctgatgggt	cagtgcctgc	gscaccgttt	ytgccgtatg	ttgcacacca	ggntctttaa	360
acagttttcg	saccgcgttt	agcgtcaagg	gttcaatgcc	ggtcggtagc	tcgtcccttag	420
gttcaccgcg	agcataagca	ttaaaccatct	catcaatttg	cttctggctg	gcgctatcaa	480
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aggcaatggg	cttaatgaga	taatcaaata	caccacaacg	tacggcttca	gacaccgttt	600
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catgcagtaa at

672

<210> 39  
 <211> 1908  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (62)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (63)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1893)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1908)  
 <223> n equals a,t,g, or c

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 tnnagagctg taggaagctc aacattttctt tgtagagaac gttgcttttt ttggattgta 120  
 caggtataaa aacattgctt ttgttgaatt gtataggtgt aaaaagggaa taactgtatg 180  
 caggtttgaa aaggaaatgt gcttttaggca tgagtcataa gatgccattg tacttgtagg 240  
 catttttattt tocttttagaa atggacatca gctctttctct tctgactggg aacacatagc 300  
 cccaaagcat gagattattt ttcattgggt ttttattgtt gtttagtttt ggtttggtac 360  
 gccagcccag tctgtctgcg gaacactgac tctgctctct aatgagaaca aagttagaaa 420  
 tctgccgata acctaaaaata atttagaaat gaattaaaaa tgtgaaatcg ggtaaagtgt 480  
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 tttcttaata tgtttgtaac attattgaga tataattcac ataccttaca attcacttat 660  
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 caaaaatcag gccaaatgac ttggcaaaata attgacaaa tggttttcac gtgtgtctat 1260  
 ctttgctagc agcttgata cctcaggcca ggtgagctcc ccaaattttct tttttcattt 1320  
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 cagtcaatta ttgcctaggg tagttcaaaa atatgatgtg agctagttaa gcctttgctt 1500  
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 tgagttggag gtgattattc tctgtaactc cctaattgatt gtttttctaag cattgtggct 1680  
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atatgtttcc	aattctttaa	tgaccttgcc	ctgtccaata	aataaatgat	tgtctcaccc	1860
tgtaaaaaaa	aaaaaaaaatt	aaaaaaaaactg	ggnggggggc	ccggtacn		1908

<210> 40  
 <211> 458  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (443)  
 <223> n equals a,t,g, or c

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caccaggccc	tcccagaacc	tctcagttc	cttcacagt	caacctgtg	tacttgggcc	360
gcaacccaat	agtattgtgc	ctcacttcac	cttcattggg	caactgccct	cccttctgga	420
cataaaaacct	catattttta	atnaagttga	aatttgaa			458

<210> 41  
 <211> 1153  
 <212> DNA  
 <213> Homo sapiens

<400> 41						
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aaaaaaaaaa	aaa					1153

<210> 42  
 <211> 1983  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1179)  
 <223> n equals a,t,g, or c

<400> 42  
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 tgacgaaggc ccttgtttta ggaatctatt ccaaagaaaa agaagatgat gtgccacagt 180  
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<210> 43  
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 <212> DNA  
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<220>  
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 <222> (141)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<400> 43

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<210> 44  
 <211> 1391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1292)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (1294)  
 <223> n equals a,t,g, or c

<400> 44

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<210> 45  
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 <213> Homo sapiens

<400> 45

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 <212> DNA  
 <213> Homo sapiens

<400> 46						
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gtaa						1924

<210> 47  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<400> 47						
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<210> 48
<211> 346
<212> DNA
<213> Homo sapiens
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<210> 49
<211> 1366
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (499)  
<223> n equals a,t,g, or c
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<210> 50

<211> 1405  
 <212> DNA  
 <213> Homo sapiens

<400> 50  
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 ttttaaccctt ggcatgtata atagaatttt ggtgaatgaa agaaccctaaa taggccagat 240  
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<210> 51  
 <211> 2633  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (16)  
 <223> n equals a,t,g, or c

<400> 51  
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&lt;210&gt; 52

&lt;211&gt; 777

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (168)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (755)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (771)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 52

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&lt;210&gt; 53

&lt;211&gt; 602

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 53

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ga						602

&lt;210&gt; 54

&lt;211&gt; 1749

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1747)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 54

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<210> 55
<211> 1896
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1825)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (1862)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1871)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1879)
<223> n equals a,t,g, or c

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<400> 55
aaagagatgg gctctttatt ttctcgaaaa accaatttgg agttactcat ttttcataaa      60
cattaaatth cttacagtga actacatatt gtccataagt gcttcatcag gactcatcgc      120
cctcctgtct actggctcca aatagaccat gtcagcttca cccctggct ttgtgtctat      180
gggtggcctg tggatatatg aaaagtagca ggggtggtcag ggtgggagac acaagatggt      240
tttatagttc agagccttta aaaaaccag cagaatgtaa ttcagtattt gtttattggc      300
tgttttttga cagattgttg aaattaaatg aattgaaagg gaaactcaga gtactaggac      360
gtttattaaa aggaaaaaaaa tgtcttgcaa tgtgtgtgaa tcacaagagg agaaaaataac      420
ttgtttcctt gatctgtcag aggtcacagt aacctgggcc gagctgttat tatttattat      480
ataatagtag taggaagtta ataactggtt ctctgtgttc caagcacaat attacaactt      540
cttttgaacc gtaaatatca gaatgaatcc tcttcccagg ggattgaaca gaagcttaat      600
gtttacaagt gtttgaattt gtgatctgaa ataacacaaa attaaaaaca tgattttctct      660
aattttccaa ctagaggaag agaaacttgt ggaaaagttc tttttttttt tttttttttt      720
cttaaagaag ggcagccaag gtagtaacct aaaaatagtg cccaggcata tgagagttgt      780
cctacgaggt taaagaacac actgttccac tgtatggctt tggccctgag tggccaggga      840
ggtcaacttg accctgccat gttggtttga cttactaaga cacaggaatc attgtttttc      900

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ttgaccaggg	tctcacaccc	tggaggaatg	ttaagtaaga	gaaagaacct	ctttcctgaa	960
tattgacatg	taaaagacca	aagtaatctt	tctgaacttc	tgcaattctg	agaactctcc	1020
aaggaattta	cagtgatctt	agtgccttgc	agcatttttc	catgaggact	ttcatacatt	1080
tgactcttta	gttcacaggt	tcccattgat	tgtgagcaag	atatttatct	ctttagccct	1140
tggggatcca	gctgagagca	atctcttgca	tttttttacc	cgtgtatgta	cagatatcat	1200
ttcttggtga	tgccatgact	tgaaaaagtt	tgggaagctc	tttagcaata	tcagctaaaa	1260
ggatatgaaa	tcacaggtga	tagcagttgt	cattcagtaa	tttcctacaa	gcagcacccc	1320
aaaggaaata	tagtccaat	ctttactatc	cacttctaaa	tttaattgtga	atttcataca	1380
tgttattagt	tgttttcttt	ataattttat	aaaaattatt	catcgggagt	tttaactcca	1440
cttccatgct	atcggatgtg	ttgggctcca	tgcaagaact	tgggaagaaa	acaggcagga	1500
atgcatttgc	ataatgaccc	agatcatcat	tttctgcaac	tgagaattat	atttcacatc	1560
tgcttctaga	agtctgcaat	tctttacttt	tctttggtgc	attattatct	aggtgccatc	1620
actggataat	gtggagtgac	tagagaagtc	ayatatcact	gtaagggtaca	gttaggggtg	1680
acactttaga	ggtttattat	ttttaaaaaa	cttttcttga	actcctgggc	caacatgggt	1740
gaaacccgt	cttcttactt	aaaaatcccc	aaaatttaggc	caggggcgtg	gatgggtggg	1800
gtgcctgtta	atcttcagct	acttngggga	gggcttgaag	ccagggagga	actgccctgg	1860
anccccgggg	ngggccagna	ggtttgccag	ttgagt			1896

<210> 56  
 <211> 1753  
 <212> DNA  
 <213> Homo sapiens

<400> 56						
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agagaaaaaa	aaaatcaggg	ggtcaaaact	agagcaacat	tgtcttatta	aagcatagtt	120
tatttccacta	gaaaaaattt	aatatcaagg	actattacat	acttcattac	taggaagttc	180
ttttttaaaat	gacacttaaa	acaatcactg	aaaacttgat	ccacatcaca	ccctgtttat	240
tttcctttaa	catcttgga	gcctaagctt	ctgagaatca	tgtggcaagt	gtgatgggca	300
gtaaaataacc	agagaagatg	tttagtagca	attaaaggct	gtttgcacct	tttaaggacca	360
gctgggctgt	agtgattcct	ggggccagag	tggcattatg	tttttcaaaa	ataatgacat	420
atgtcacatg	tttgcattgt	tggttgcttg	ttgaattttt	gaacagccag	ttgaccaatc	480
atagaaaagta	ttacttttct	tcatatgggt	tttgggtcac	tggcttaaga	ggtttctcag	540
aatatctatg	gccacagcag	cataccagtt	tccatcctaa	taggaatgaa	attaattttg	600
tatctactga	taacagaatc	tgggtcacat	gaaaaaaaat	catttttatcc	gtcttttaag	660
tatatgttta	aaataataat	ttatgtgtct	gcatattgca	gaacagctct	gagagcaaca	720
gtttcccat	aactctttct	gaccaatagt	gctggcaccg	ttgcttcctc	tttgggaaga	780
ggaaaggggtg	tgtgaacatg	gctaacaatc	ttcaaatacc	caaattgtga	tagcataaat	840
aaagtattta	ttttatgcct	cagtatatta	ttatttaatt	ttttaggtaa	tgccatctct	900
ttgggtctatt	aaggaaaagaa	gcaatcagta	gagaattcag	gatagttttg	tttaaaattct	960
tgcagattac	atgtttttac	agtggcctgc	tattgaggaa	aggtattctt	cyatacaact	1020
tgtttttaacc	tttgagaaca	ttgacagaaa	ttatgcaatg	gtttgttgag	atacggactt	1080
gatggtgctg	tttaatcagt	ttgcttccaa	agtggcctac	tcaagaggcc	ctaagactgg	1140
tagaaattaa	aaggatttca	aaaactttct	attcctttct	taaacctacc	agcaaactag	1200
gattgtgata	gcaatgaatg	gtatgatgaa	gaaagtgtga	ccaaatttgt	ttttttgttg	1260
ttgttggtgt	tttgaatttg	aaatcattct	tattcccttt	aagaatgttt	atgtatgagt	1320
gtgaagatgc	tagcgaacct	atgctcagat	attcatcgta	agtctccctt	cacctgttac	1380
agagtcttcag	atcggctcact	gatagtatgt	atttctttag	taagaatgtg	ttaaaaattac	1440
aatgatctctt	taaaaagatg	atgcagttct	gtatttattg	tgctgtgtct	ggctcctaagt	1500
ggagccaatt	aaacaagttt	catatgtatt	tttccagtgt	tgaatctcac	acactgtact	1560
ttgaaaaattt	ccttccatcc	tgaataacga	atagaagagg	ccatatatat	tgccctcctta	1620
tccttgagat	ttcactacct	ttatgttaaa	agttgtgtat	aattgttaaa	atctgtgaaa	1680
gaataaaaaag	tggattttaa	ttaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1740
aaaaaaaaagg	ggg					1753

<210> 57

<211> 1220  
 <212> DNA  
 <213> Homo sapiens

<400> 57  
 gcggaagtta ctgcagccgc ggtgttgtgc tgtggggaag ggagaaggat ttgtaaacc 60  
 cggagcggagg ttctgcttac ccgaggccgc tgetgtgagg agacccccgg gtgaagccac 120  
 cgtcatcatg tctgaccagg aggcaaaacc ttcaactgag gacttggggg ataagaagga 180  
 aggtgaatat attaaactca aagtcattgg acaggatagc agtgagattc acttcaaagt 240  
 gaaaatgaca acacatctca agaaactcaa agaatcatat tgtcaaagac aggggtgttcc 300  
 aatgaattca ctgaggtttc tctttgaggg tcagagaatt gctgataatc atactccaaa 360  
 agaactggga atggaggaag aagatgtgat tgaagtttat caggaacaaa cgggggggtca 420  
 ttcaacagtt tagatatctt ttttattttt tttcttttcc ctcaatcctt ttttattttt 480  
 aaaaatagtt cttttgtaat gtggtgttca aaacggaatt gaaaactggc accccatctc 540  
 tttgaaacat ctggtaattt gaattctagt gtcattatt cattattggt tgttttcatt 600  
 gtgctgattt ttggtgatca agcctcagtc cccttcatat taccctctcc tttttaaaaa 660  
 ttacgtgtgc acagagaggt cacttttttc aggacattgc attttcaggc ttgtggtgat 720  
 aaataagatc gaccaatgca agtggtcata atgactttcc aattggccct gatgttctag 780  
 catgtgatta ctccactcct ggactgtgac tttcagtggg agatggaagt ttttcagaga 840  
 actgaactgt ggaaaaatga cctttcctta acttgaagct acttttaaaa ttgagggtc 900  
 tggaccaaaa gaagaggaat atcaggttga agtcaagatg acagataagg tgagagtaat 960  
 gactaactcc aaagatggct tcaactgaaga aaaggcattt taagattttt taaaaatctt 1020  
 gtcagaagat ccagaaaaag ttctaatttt cattagcaat taataaagct atacatgcag 1080  
 aaatgaatac aacagaacac gtctcttttt gatttttatt gtactttttg gcctgggata 1140  
 tgggttttaa atggacattg tctgtaccag cttcattaaa ataaacaata tttgtaaaaa 1200  
 tcawaaaaaa aaaaaaaaaa 1220

<210> 58  
 <211> 1049  
 <212> DNA  
 <213> Homo sapiens

<400> 58  
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 caagcctccc tcaattttctg gtgcagccca tcagggaccc acagcgctg ggaggatggt 120  
 gcggtctttg gccaatgggg aaatcgtgca ggacgacgac ccccgagtga ggaccactac 180  
 ccagccacca agaggtagca ttccctcgaca gagcttcttc aataggggcc atggtgctcc 240  
 cccagggggg cctggccccc gccagcagca ggcaggtgcc aggctgggtg ctgctcagtc 300  
 ccccttcaat gacctcaacc ggcagctggt gaacatgggc ttccgcagc ggcactctcg 360  
 caaccatgct gtggagccgg tgacctccat cctgctcctc ttccgtctca tgatgcttgg 420  
 tgttcgtggc ctccctcctg ttggccttgt ctacctggtg tcccacctga gtcagcgtg 480  
 acctctgagg gctgataggg gtgggtttgt tgagagggac ttgctgggcc ttggtgtgag 540  
 agcaggcata tttggagggg atctgggtgt gccttgaagg tatgatcaga gaggggacca 600  
 caggtgtgtg tttccccttt gtgttaagcg tgaggcagag ggagacgtta gtcccagcat 660  
 ttcccaaagt gtgggtgggt ccgttggttc ccgagatact tttagggtgt atggggcctg 720  
 cattaagtgg cacaaaatca gagcaagaaa gcgatgccct tcccaattct ctcaatcctt 780  
 ttatgccgag aagatctcag ctggatgcc aatgtttccg atgcctgtgg aagacatgcc 840  
 gacgtctcct ctgcctaggg agcaggactt gggcttaggg caggtgga aaattccaga 900  
 ctttttttag actgtttttg ttttaattgt atattttat tggctacttt attgtttagg 960  
 acaagtggta gtggcattct atttattgtg accttttcaa taaatagatt taagtaaaa 1020  
 aaaaaaaaaa aaaactcgag gggggggccc 1049

<210> 59  
 <211> 1776  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (713)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (862)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1752)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1773)  
 <223> n equals a,t,g, or c

<400> 59  
 aaagaggatg tgmagctaga ggtccccgat ggctgggtcgg atgggaagca caaggctgag 60  
 ggactggatt gtaaaggcac taagtgcgttc tgcgggtgaga atcagacatg ggggacctct 120  
 agcttcacat cctctttcct tgcagstctg gacatcctga gcccaagtcc cccacactca 180  
 gtgcagtgat gagtgcggaa gtgaagggtga cagggcagaa ccaggagcaa tttctgctcc 240  
 tagccaagtc ggccaagggg gcagcgctgg ccacactcat ccatcagggtg ctggaggccc 300  
 ctggtgtcta cgtgtttgga gaactgctgg acatgccccaa tgtagagag ctggctgaga 360  
 gtgactttgc ctctaccttc cggctgctca cagtgtttgc ttatgggaca tacgctgact 420  
 acttagctga agcccggaaat ctctctccac taacagaggc tcagaagaat aagcttcgac 480  
 acctctcagt tgtcaccctg gctgctaaag taaagtgtat cccatatgca gtgttgctgg 540  
 aggtctcttc cctgcgtaat gtgcggcagc tgggaagacct tgtgattgag gctgtgtatg 600  
 ctgacgtgct tcgtggctcc ctggaccagc gcaaccagcg gctcgagggt gactacagca 660  
 tcgggcggga catccagcgc caggacctca gtgccattgc ccgaaccctk aanaaaaaacc 720  
 attaaagtta cgacggcagc agcagccgca gccacatctc aggaccctga gcaacacctg 780  
 actgagctga ggggaaccagc tcctggcacc aaccagcgcc asccagcaag aaagcctcaa 840  
 agggcaagggt gctccgagggt ancgccaaga tttgggtocaa gtogaattga aagractgtc 900  
 gtttcctccc tggggatgtg ggggtcccagc tgctgctctg cctcttagga gtcctcagag 960  
 agcctttctgt gcccctggcc agctgataat cctaggttca tgacccttca cctcccctaa 1020  
 ccccaaacat agatcacacc ttctctaggg aggagkcaaa tgtaggtcat gtttttgttg 1080  
 gtactttctg ttttttgtga ctctcatgtgt tccattgctc cccgctgcca tgctctctcc 1140  
 cttgtttcct taagagctca gcatctgtcc ctgttctatta catgtcattg agtaggtggg 1200  
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 catccctgca tgctgatcc ccagttccta taccctaccc ctgacctatt gacgagcctc 1320  
 tgaagagcca tagggccccc acctttactc acaccctgag aattctggga gccagtctgc 1380  
 catgccagga gtcactggac atgttcatcc tagaatcctg tcacactaca gtcatttctt 1440  
 ttctctcttc tggcccttgg gtccctggaa tgctgctgct tcaaccccag agcctaagaa 1500  
 tggcagccgt ttcttaacat gttgagagat gattctttct tggccctggc catctcggga 1560  
 agcttgatgg caatcctgga agggtttaac ctccctttgt gagtttgggt ggggaaggaa 1620  
 gggatatatag attgtattaa aaaaaaaaaa gtatatatgc atatatctat atataatag 1680  
 acgcagaaat aaatctatga gaaatctatc tacaaamwaa aaaaaaaaaa aaaaaaaaaa 1740  
 aggaattcga tntcaagctt atcgataccg tcnacc 1776

<210> 60  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (341)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (436)  
 <223> n equals a,t,g, or c

<400> 60  
 acagataaaat aaataaataa taaattaaat taaataaaaa atctgagcta atctgaataa 60  
 attgagagat ttcacatgaa agccaggatt tctggcttcc caggaacagt cagaagagct 120  
 agctagcaac actgggtctgc ttggctacct tcttttggaaac aacatgaaat cttagctccct 180  
 tttttttttt tttttggccc acttcatcca ttcacatgac ctgcctggcc tctgcaggta 240  
 agtgagtatg caacaaaaat gtagcacagg ttttgtcgct gaactacgtg gtttcagggtc 300  
 cagctctgcc acttgctagc atgacctcgt gccgaattcc ngcacgaagt tttttttttt 360  
 tttttcagtg ctccagtcct cctattggag aatcctgccc cccctgggga cagaatgttc 420  
 accctggccc cgcgantccc tga 443

<210> 61  
 <211> 2888  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (112)  
 <223> n equals a,t,g, or c

<400> 61  
 ttaatgttgt caataaccac caggccaaac agaatttata tgacctggat gaagatgatg 60  
 atggtatagc ttccgttcct actaaacaga tgaagtttgc agcctcaggc gncctttctcc 120  
 accacatggc tgggctaagc agttccaagc tttccatgtc caaggccctc cctctcacca 180  
 aagtgggttca gaatgatgca tacacagctc ctgctctccc ttctctctatt cgaacaaaaag 240  
 ccttgaccaa catgtcccgg acactgggtga acaaggaaga acccccaaaa gagctgccag 300  
 ctgctgagcc tgttctcagc ccattggaag gcaccaagat gactgtgaat aatctgcacc 360  
 ctcgagtcac tgaggaggac attgttgagc ttttctgtgt gtgtggggcc ctcaagcgag 420  
 ctcgactggt ccatoctggg gtagcggagg tgggtgttgt gaaaaaggac gatgccatca 480  
 ccgcatataa gaagtacaac aaccgggtgtc tggacgggca gccgatgaag tgcaaccttc 540  
 acatgaatgg gaatgttata acctcagacc agcccatcct gctgcggctg agtgacagcc 600  
 catcaatgaa aaaggagagc gagctgcctc gcagggtgaa ctctgcctcc tctccaacc 660  
 ccctgcyga agtggaccct gacaccatcc tgaaggcact cttcaagtcc tcaggggacct 720  
 ctktgaccac gcagcccaca gaattcaaaa tcaagctttg agcaggggag tgaggcagcc 780  
 agaagtgggg gcagaggagg gtggctctgt ttccccaagg caaagcttat gaccaatggg 840  
 ccactggact ggagaccctt gattgtggga aggggttgcca gggataaaga gcttcctcac 900  
 tggatgggac ccgcctttct gtgtgtgtgt ctgcctgtg ctcttctctc tacgttaacg 960  
 tttcctgtag tatgtttctt catctcatcg ccaaggtagg cttgtgtttt tcagtgtgtg 1020  
 cctcccagc cctcagcccc aagctgattt cttatctgga aatgggtacac tgaattctct 1080  
 ggggtggcttt cttgtggccc catgggatgc agcgtggggg ctgtctgaag gacctgctt 1140  
 tttccagggg ccgaggggct gcctttcctt tgtgtgtatt aagcttttca aacaatggag 1200  
 gggatggaga gccctggtgt cctgacggga gccaggctcg cctgagagct gtgccgctcc 1260  
 totgtcttgt cagtggaggt gcctgggtgg ggagcaggtc tcaggcctct tgtcctctcc 1320  
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ctggaggcat	atatccagct	gccaccaagg	ggcactgttt	gttcccactt	atgtgagtga	1800
ccccatccat	ccatgaccag	aggattatct	tccctgcctg	gcagaggagg	aggagtcaag	1860
ggagcagggc	agctctacca	ggcaagggtg	ttccccagca	taggcgcaga	cagttgggac	1920
gaaacttcag	agcccaggca	gtccctgaat	gaccaggcca	gtgttgctac	tgagtgggtcc	1980
cctgctgggt	gggagtgaag	agaatccagg	ctggcagagc	tggagccagt	tggggagcac	2040
ggttctggga	gctctgcaaa	atcagtagca	agtgtctggaa	aaggcacatg	ccgaagatac	2100
tcaagagctc	ccaagatttg	cttgaggcta	gccagtgaa	raaaaccaga	gactcatgtt	2160
tccaggggtc	agtctgtcag	gcaggaagga	cccaggattt	gaaccagct	tcagtgtgca	2220
ggctctgagg	ctgcccagga	cgggaaagtc	caaggaagg	gcctgggtgt	gctccacttg	2280
cagttcttta	aagaatgctg	cttttttatt	tcctaaccct	ttcaagtggg	tgcagacttc	2340
tcgttagcag	ctggaagaca	ttcctccccc	acttttccct	tcctggccca	agagagcatc	2400
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gtgcttaggg	tagggatggg	aaatatacct	cctgcatggc	tttatccctc	ctctcatccc	2520
aaagcaggta	tcttctgggt	gtcacagagt	ttcattgagt	ccagctgcag	ccacgtggcc	2580
atctggagct	ggtgctatag	gtgaccatct	ggtacattga	ggggacctgt	ttgcctcttc	2640
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tgttattcct	aaaaaaaaaa	aaaaaaaaact	cgaggggggg	cccgwaccc	awatcgccsk	2880
aaagtgag						2888

<210> 62  
 <211> 1851  
 <212> DNA  
 <213> Homo sapiens

<400> 62						
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gttgccctatg	aagggtttgcc	acttcatctt	gcactgttcc	ccaaactttg	gactgagcta	120
tgccagactc	agtctgctat	gtcaaaaaaac	tgcatacaagc	ttttgtgtga	agatcctgtt	180
ttcgcagaat	atattaaatg	tatcctaatt	gatgaaagaa	ctttttttaa	caacaacatt	240
gtctacacgt	tcatgacaca	tttcttctta	aagggttcaa	gtcaagtgtt	ttctgaagca	300
aactgtgcca	atttgatcag	cactcttatt	acaaacttga	taagccagta	tcagaacctta	360
cagtctgatt	tctccaaccg	agttgaaatt	tccaaagcaa	gtgcttcttt	aaatggggac	420
ctgagggcac	tcgcttttgt	cctgtcagta	cacactccca	aacagttaaa	cccagctcta	480
attccaactc	tgcaagagct	tttaagcaaa	tgcaggactt	gtctgcaaca	gagaaactca	540
ctccaagagc	aagaagccaa	agaaagaaaa	actaaagatg	atgaaggagc	aactcccatt	600
aaaaggcgcc	gtgttagcag	tgatgaggag	cacactgtag	acagctgcat	cagtgcacatg	660
aaaacagaaa	ccagggagggt	cctgacccca	acgagcactt	ctgacaatga	gaccagagac	720
tcctcaatta	ttgatccagg	aactgagcaa	gatcttctct	cccctgaaaa	tagttctgtt	780
aaagaatacc	gaatggaagt	tocatcttcg	ttttcagaag	acatgtcaaa	tatcaggtca	840
cagcatgcag	aagaacagtc	caacaatggt	agatatgacg	attgtaaaaga	atttaaagac	900
ctccactgtt	ccaaggattc	taccctagcc	gaggaagaat	ctgagttccc	ttctacttct	960
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aaagggcaat	cagataatgg	atatgtttta	tgtaatgaag	agttcacttt	agtggctttc	1440
atttaatatg	gctgtctggg	aagaacaggg	ttgcctagcc	ctgtacaatg	taatttaaac	1500
ttacagcatt	tttactgtgt	atgatatggt	gtcctctgtg	ccagttttgt	accttataga	1560

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<210> 63
<211> 3542
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (3534)  
<223> n equals a,t,g, or c
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<400>	63						
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acagaaaatg	ccatcatgct	gaaacgattc	aatagggtatc	cgctgatcat	tgacctctct		120
ggacaggcca	cagaattcat	tatgaatgaa	tataaggwtc	gtaagatcac	acggaccagc		180
ttcctggatg	acgccttcag	aaagaactta	gagagtgcac	tgagattcgg	taacccccct		240
ctgggtccag	atgtggagaag	ctacgatcca	gttttgaacc	cgggtctgaa	cctggaagtg		300
cggcgcaacg	gggggagagt	gctgatcact	ctcggggacc	aggacataga	cctgtcgcca		360
tcgtttgtca	tcttctgtgc	caccgcgggat	ccaactgtcg	agttcccacc	agatctctgt		420
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aatgaagtac	ttaaagcaga	aagacctgat	gtggacgaga	aacgatctga	tcttcttaaa		540
cttcaagggg	aatttcagct	ccgtttgcgt	cagctggaaa	aatctctact	acaagctctg		600
aacgaggtga	aaggggcgcat	tttggtatgac	gacacgatca	taaccactct	ggagaacctg		660
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accatggagt	ccctcaagca	gatacacttc	ttgtaccagt	actccctcca	gtttttctcg		840
gacattttatc	acaacgtcct	atacgagaac	ccgaacctga	agggtgtcac	cgaccacaca		900
cagcgccctgt	ccattataac	aaaggacctc	ttccagggtgg	cgtttaaccg	agtggctcga		960
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cattccctgc	agcgcgatgc	ctgcttccga	ctcttctcca	ctcaggagat	gaaccccaag		1740
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```

aaggccaaca tgctgaggac gttcagcagc attcccgtct cacggatatg caagtctccc 1860
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gggcgcgtgg acaacgagtt tgaccagcgt ctgctcaaca ccttcctgga gcgcctgttc 2160
acaaccagga gtttcgacag tgagtttaag ctggcatgca aggtcgacgg acataaagac 2220
attcaaatgc cagatggcat gcaggcgaga ggagtttgtg cagtgggtgg agttgctccc 2280
cgacaccag acgcccctct ggctgggcct gcccaacaac gccgagagag tcctccttac 2340
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cgacctggcc tacgcagaga ctgagaagaa gacgaggaca gactccacgt ccgacgggag 2460
ccctgctgtg atgctggacac tgcacaccac cgcgtccaac tggctgcacc tcatcccca 2520
gacgtgagc cacctcaagc gcaccgtgga gaatatcaag gatcctttgt tcaggttctt 2580
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caccctgtga gacctcatct tcaccgtgga cttcgaaatt gctacaaagg aggatcctcg 3240
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ctgagcttgt gaaaagaaag tggttggtct gaggttgag gaagctgaat ggaatctgac 3420
ggttgggagt ggtggaaatt ggaaggatag caggaggtat ttgggaaggc caatggcgtg 3480
gctcctttga ggaaataaaa cactaagcat gaaaaaaaaa aaaaaactta caanccncaa 3540
gg 3542

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```

<210> 64
<211> 883
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (832)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (858)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (871)
<223> n equals a,t,g, or c

```

```

<400> 64
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ctcgatgcac tcacaagcgg gtaactagggt gacaagaaaa caaagatctt attcaaaaga 120
ggtcttacag caacccaacg tctcatcttc ccatagtaaa gatgacggcg ccttgaggta 180
agctacaggc aacaccactt ccgcgtttct cttgcgcctt ggtccaagat ggcgatgaa 240
gccacgcgac gtgttgtgtc tgagatcccg gtgctgaaga ctaacgccgg accccgagat 300

```

cgtgagttgt	gggtgcagcg	actgaaggag	gaatatcagt	cccttatccg	gtatgtggag	360
aacaacaaga	atgctgacaa	cgattgggtc	cgactggagt	ccaacaagga	aggaactcgg	420
tggtttgga	aatgctggta	tatccatgac	ctcctgaaat	atgagtttga	catcgagttt	480
gacattccta	tcacatatcc	tactactgcc	ccagaaattg	cagttcctga	gctggatgga	540
aagacagcaa	agatgtacag	gggtggcaaa	atatgcctga	cggatcattt	caaacctttg	600
tggggccagg	aatgtgcccc	aatttggtact	agctcatctc	atggctctgg	ggctgggtcc	660
atggstggca	gtggaaatcc	ctgatctgat	tcagaagggc	gtcatccaac	acaaagagaa	720
atgcaaccaa	tgaagaatca	agccactgag	gcagggcaga	gggacctttg	ataggctacg	780
atactawttt	cctgtgcatc	acacttaact	catctaactg	ttccccggac	ancctccact	840
ctagttgtta	ctaagtantg	cagtagcatt	ntggggaaga	aca		883

<210> 65  
 <211> 1541  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (760)  
 <223> n equals a,t,g, or c

<400> 65						
ggcacgaggt	ggcctctacc	ctgggctcat	ctggctacac	agggactcta	aacgcttcca	60
gattccctgg	aaacatgcc	cccggcatag	ccctcaacaa	gaagaggaaa	ataccatttt	120
taaggcctgg	gctgtagaga	cagggaagta	ccaggaaggg	gtggatgacc	ctgaccacgc	180
taaatggaag	gccagctgc	gctgtgctct	caataagagc	agagaattca	acctgatgta	240
tgatggcacc	aaggaggtgc	ccatgaaccc	agtgaagata	tatcaagtgt	gtgacatccc	300
tcagccccag	ggctcgatca	ttaacccagg	atccacaggg	tctgctccct	gggatgagaa	360
ggataatgat	gtggatgaag	aagatgagga	agatgagctg	gatcagtcgc	agcaccatgt	420
tcccattccag	gacaccttcc	ccttccctgaa	catcaatggg	tctcccatgg	cgccagccag	480
tgtgggcaat	tgacgtgtgg	gcaactgcag	cccggaggca	gtgtggccca	aaactgaacc	540
cctggagatg	gaagtacccc	aggcacctat	acagcccttc	tatagctctc	cagaactgtg	600
gatcagctct	ctcccaatga	ctgacctgga	catcaagttt	cagtaccgtg	ggaaggagta	660
cgggcagacc	atgaccgtga	gcaacccctca	gggctgccga	ctcttctatg	gggacctggg	720
tcccatgcct	gaccaggagg	agctcttttg	tcccgtcagn	ctggagcagg	tcaaattccc	780
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tgagagacaa	aagaagggtca	agctattttg	tctggaaaca	ttccttagcg	atctcattgc	1020
ccaccagaaa	ggacagatag	agaagcagcc	accgtttgag	atctacttat	gctttgggga	1080
agaatggcca	gatgggaaac	cattggaaaag	gaaactcatc	ttggttcagg	tcattccagt	1140
agtggctcgg	atgatctacg	agatgttttc	tgggtgatttc	acacgatcct	ttgatagtgg	1200
cagtgtccgc	ctgcagatct	caaccccaga	catcaaggat	aacatcggtg	ctcagctgaa	1260
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catgcaactg	ccccctgccc	tgccctcccca	gtaattgtga	atgccatctt	cttcccttctc	1380
ttttttataa	tattgtacat	atggattttt	ttattgttta	gatttaacca	gctttctaaat	1440
ctctgttttc	tgtgacagtg	ttagaagtct	gtgattctcc	aaatatgcct	agattttaaag	1500
ctgattttaat	ttatggaaaa	aaaaaaaaaa	aaaaaaaaaa	a		1541

<210> 66  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<400> 66  
 agaaaaatgaa tgttagaagg tgcctgccga ggcgggacag agtgtttgct cgcgctggag 60

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aaggctctgc tcagccctga gagtcccttc ctgccccacc gatactggca ctttaaaaag 120
gaagctgacc gcacagtgtc cagacgaatt ggccccccaga agatggggag ttctgtcctg 180
cccttctgtg tctgctgtac ctcacccagc ctaggaggga ggtgcattca gggtagatct 240
gcctctcatt caaagtcttg gggctttggg cggaaaacag ccagcttttg cgctgttggg 300
gagactcctc cagaccagga accccagaag gagacagagc ctgccacatc ctcccacgcc 360
aggccctggg ccagggtgat tggactgaga atttggccac aaccaaattg atgctggctg 420
gaaccagagg ccagaaaagg tggccttgtc cccatgtggg agccctgtcc tcagccctct 480
tgtccccctg agctcagtga attcccacca ggtgcccaca gctcctggac ttcaaattct 540
atatattgag agagttggag agtatatcag agatattttt ggaaaggagt tggctctatgc 600
aatgtcagtt tggaatcttc ttgaaagttt aatgttttta ttaggagatt taaagaaaat 660
aaaggtctac aatatcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa 732

```

```

<210> 67
<211> 631
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (575)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (626)
<223> n equals a,t,g, or c

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<400> 67
ttaaggaatt cggcmcgaat cccggcaagt aacatgacta aaaagaagcg ggagaatctg 60
ggcgtcgctc tagagatcga tgggctagag gagaagctgt cccagtgtcg gagagacctg 120
gaggccgtga actccagact ccacagccgg gagctgagcc cagaggccag gaggtccctg 180
gagaaggaga aaaacagcct aatgaacaaa gcctccaact acgagaagga actgaagttt 240
cttcggcaag agaaccggaa gaacatgctg ctctctgtgg ccatctttat cctcctgacg 300
ctcgtctatg cctactggac catgtgagcc tggcacttcc ccacaaccag cacaggcttc 360
cacttgggccc cttgggtcagg atcaagcagg cacttcaagc ctcaatagga ccaaggtgct 420
gggggtgttcc cctcccaacc tagtgttcaa gcatggcttc ctggcggccc aggccttgcc 480
tccctggcct gctggggggg tccgggtctc cagaaggaca tgggtgtggt ccctccctta 540
gccaaggga gaggaataa agaacacaaa gctgnaaaaa aaaaaaaaaa aaaactcgta 600
ggggggggccc gtacccaatc gccctntcgt g 631

```

```

<210> 68
<211> 1751
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (1665)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1741)
<223> n equals a,t,g, or c

```

<220>  
 <221> SITE  
 <222> (1748)  
 <223> n equals a,t,g, or c

<400> 68  
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 ggtacccgcg cgggtgcgggc ctcagtctgc ggccatgggg gcgtccgcgc ggctgctgcg 120  
 agcgggtgatc atggggggccc cgggctcggg caagggcacc gtgtcgtcgc gcatcactac 180  
 acacttcgag ctgaagcacc tctccagcgg ggacctgtc cgggacaaca tgctgctggg 240  
 cacagaaatt ggcgtgttag ccaaggcttt cattgaccaa gggaaactca tcccagatga 300  
 tgtcatgact cggctggccc ttcattgagct gaaaaatctc acccagtata gctggctgtt 360  
 ggatgggtttt ccaaggacac ttccacaggc agaagcccta gatagagctt atcagatcga 420  
 cacagtgatt aacctgaatg tgccctttga ggtcattaaa caacgcctta ctgctcgtctg 480  
 gattcatccc gccagtggcc gaggctctata cattgaattc aaccctccca aaactgtggg 540  
 cattgatgac ctgactgggg agcctctcat tcagcgtgag gatgataaac cagagacggg 600  
 tatcaagaga ctaaaggctt atgaagacca aacaaagcca gtcctggaat attaccagaa 660  
 aaaaggggtg ctggaaacat tctccggaac agaaaccaac aagatttggc cctatgtata 720  
 tgctttccta caaactaaag ttccacaaag aagccagaaa gcttcagtta ctccatgagg 780  
 agaaatgtgt gtaactatta atagtaagat gggcaaacct cctagtcctt gcatttagaa 840  
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 cgtttgaaat catctagtgt gttgtatgca gttatcctca aaaacatcag cgatgtctga 1020  
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 gttcagttaa taagtgggtg ataaagtttc catatttttc tggaaaagtt aaaaaaagtt 1140  
 acatgtcatt tggagaaaaat acgtaatcag aaatttgtgc atagattgat gccaaaaaag 1200  
 acatttccag cattgtggaa catggtgaga cactatataa aattccagaa agaaagcaac 1260  
 tggatttaca gattttattgt gagacacaaa ttcactgctg cttttactact aagaaatgta 1320  
 tatgttaacc atatatgctg tattttatttt gtcgttaagc atactttcag tttactcaga 1380  
 attttcaatt tgctataaag atgtatcaat tagcatatag aaaaatatta ctttaagatg 1440  
 acttgtttcc tttgaaaata cctgtgtact gaggggttatg atttgtgtca aaaattgaca 1500  
 taagtgcctt tacaagcacc aaagttgaat gaattttcaa caaaatgtaa ttaaagtcta 1560  
 tgttttcagt tatgactcag gttaagaaat gtgttttagg atctacttgc tgggtttttct 1620  
 ttttgatcca aatggtgat ctgccctgat aaataacaag ctatngtacc atctcccccg 1680  
 ccaataaaaa aaaaaaaaac aaaaaaaac tcgagggggg gcccggtacc caattctccg 1740  
 naataggnag t 1751

<210> 69  
 <211> 508  
 <212> DNA  
 <213> Homo sapiens

<400> 69  
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 ttgacccaac tcaaaatctc catgggaaaa tacctgtcga taccacagat attgttgaaa 120  
 ataatacagat gcagtatcac agctgtgtca gactctagta ccagttgggc aatcaaggca 180  
 cagctaaaaa ttgaaaacaa agatctggac aacaaaacag ccaaagggtg ggggtcaagaa 240  
 gctctgacgt gtacctagct gtagaatgct atgcacacgt gccagggtga gtgtgcatat 300  
 ccaggaaaaa ctgcagagag cccagtcctt cacctctggg tgaccatgag ctctgtgtaa 360  
 gcaggaagtg aaggctaagg cagattttaag ctctgaaagc attccacaac atacacaaa 420  
 atcgtgcaaa gcatttaagg aatcttgtta ctgctaagtg ttgctgaccc aggaacaact 480  
 cctactcagc tggacttaaa aataaaaa 508

<210> 70  
 <211> 245  
 <212> DNA

09882171 051801  
 T08T00 T22886

<213> Homo sapiens

<220>

<221> SITE

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (243)

<223> n equals a,t,g, or c

<400> 70

tacatagagc	aaagagaaat	ttccagaatt	tctaraattc	tggaagaga	attttcctga	60
gattgcagat	ttgcttgtgt	cctcaggtga	tgatgagggc	tgttttcccc	tggtgtcctt	120
tcctcacact	catgcttcc	ctcctagagt	gtctgggttg	catgatcatg	tgctacctag	180
gcattttctt	cactgatata	aggaaaactg	cagggttaaa	aaaaaaaaaa	aaaaaaaaaa	240
nnccg						245

<210> 71

<211> 361

<212> DNA

<213> Homo sapiens

<400> 71

atgttcctca	tgaggatgca	cttgtgcttc	tgcaagtatt	gctgcagctt	catagtgact	60
cccaccagca	ccagcaatac	agctagctac	ctgtggcctt	ggatctcagc	cagcatggct	120
gggagagggg	gcagctgggc	atgtacccta	aatgctgtta	ccaggggaagg	actcccagag	180
tgaagacaag	tagggacttc	ctgcagaggt	ggtacatgtg	ctctctgtat	ccatactttt	240
tttttttttt	tttttgagata	gagtttcacc	cttgttgccc	tggtctggagt	gcaatgggtg	300
gatctcagct	cactgcaacc	tctctgcctc	ccgggttcaa	gtgattctcc	tgctcagcc	360
t						361

<210> 72

<211> 713

<212> DNA

<213> Homo sapiens

<400> 72

aggatcacac	aatagagAAC	actgtagtaa	catttcggtc	tgctcacaag	accagaaca	60
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ttagctagat	gatattttta	tagctgcgag	tgctttggaa	ctataaagat	gtcactactt	180
aacacacata	cottatgttt	tgttttgttt	tgtttttacac	tcagtataaa	tcaggagaag	240
ttagccaacc	atctagcatt	tagaatccct	ttttttattg	tcttctaagg	atatggatgt	300
tcccataaca	gcaacaaaac	agcaacaaaa	acatttcata	aatatcactt	gatagactgt	360
aagcacctgc	ttaactttgt	gtcccaaata	tttagtgtgt	atatatatat	atatatatat	420
acacacacac	acatatatat	tcaacaaata	aagcaaaata	taacatgcat	ttcacatttt	480
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<210> 73

<211> 862

<212> DNA

09092171 061301

&lt;213&gt; Homo sapiens

&lt;400&gt; 73

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&lt;210&gt; 74

&lt;211&gt; 4602

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 74

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<211> 1255

<212> DNA

<213> Homo sapiens

<220>

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<222> (1227)

<223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (1231)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1251)  
 <223> n equals a,t,g, or c

<400> 75

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 <212> DNA  
 <213> Homo sapiens

<400> 76

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<210> 77  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (458)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (462)  
 <223> n equals a,t,g, or c

<400> 77  
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<210> 78  
 <211> 1907  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1781)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1802)  
 <223> n equals a,t,g, or c

<400> 78  
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<210> 79  
 <211> 1168  
 <212> DNA  
 <213> Homo sapiens

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 <221> SITE  
 <222> (1148)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1149)  
 <223> n equals a,t,g, or c

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<210> 80  
 <211> 1285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (561)  
 <223> n equals a,t,g, or c

<400> 80

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&lt;210&gt; 81

&lt;211&gt; 1290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1279)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 81

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aaaaaaaaaa	aaaaaaaaanc	tcggggggggg				1290

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 <211> 684  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
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 gcttcatgga ttgattctct ttttatcttt cagattttct tttaaaaatc tttgtttttt 600  
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 gctctcattt tgaatttttc aaga 684

<210> 83  
 <211> 2024  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
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<222> (567)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (651)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1014)  
 <223> n equals a,t,g, or c

<400> 86  
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<210> 87  
 <211> 1460  
 <212> DNA  
 <213> Homo sapiens

<400> 87  
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<210> 88  
 <211> 1395  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (967)  
 <223> n equals a,t,g, or c

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<210> 89  
 <211> 1186  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (54)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (55)  
 <223> n equals a,t,g, or c

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 <212> DNA  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (1794)  
 <223> n equals a,t,g, or c

<400> 90  
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 acaatccctc ccagaagtct cccaacacta gtgctgacca gaggtggggc tctcaggcta 180

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aaccggggg ggggtttcccc c 1821

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<210> 91
<211> 862
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (27)
<223> n equals a,t,g, or c

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 <212> DNA  
 <213> Homo sapiens

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<210> 93  
 <211> 1886  
 <212> DNA  
 <213> Homo sapiens

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 <222> (1123)  
 <223> n equals a,t,g, or c

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 <222> (1886)  
 <223> n equals a,t,g, or c

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&lt;210&gt; 94

&lt;211&gt; 1774

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 94

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<210> 95  
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 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2209)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 96

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<400> 97

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<213> Homo sapiens
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<400> 98

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<400> 99

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&lt;210&gt; 101

&lt;211&gt; 1394

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (901)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (904)

&lt;223&gt; n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1358)  
 <223> n equals a,t,g, or c

<400> 101  
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 gaacaatttt acttctgtcc ttatttccact tgctgaaaag ctgtgggaca aaatgtatgg 240  
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 aaagaaatgg ggggtgcgagt ggcttgaatc tcccatgatg ttggagggca cttagtgggg 540  
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 aaaaaaaaaa accc 1394

<210> 102  
 <211> 794  
 <212> DNA  
 <213> Homo sapiens

<400> 102  
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 cggagcgtcg gcggccactc agtcccatc catctctcg tcgtccttcg gagccgagcc 180  
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<210> 103  
 <211> 1544  
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1534)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1536)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1537)

<223> n equals a,t,g, or c

<400> 103

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<210> 104

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> SITE

<223> n equals a,t,g, or c

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cccgacgcct	ctgttctcgg	aatccgggtg	ctgcggattg	aggtcccgg	tcctaacgga	240
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aaaccgtggg	agaaggagcg	aggcctgggt	ggggaggtac	caggcagcca	acaggttccc	660
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<211> 404

<213> Homo sapiens

<221> SITE

<223> n equals a,t,g, or c

<221> SITE

<223> n equals a,t,g, or c

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tttttaataa	gaatgacgcc	ccacttttggg	gactaaaaat	gtgctattgc	cgagaagcag	300
tctaaaaatt	attttttttaa	aaagtagaac	tgcccatta	ttttggtggg	gttggttttt	360
aatttntaat	ntgaaaaaatt	tttttgggggt	ttttgggggcc	atgg		404

<211> 1542

<213> Homo sapiens

&lt;221&gt; SITE

<223> n equals a, t, g, or c

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<210> 107  
 <211> 2327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2323)  
 <223> n equals a,t,g, or c

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&lt;210&gt; 108

&lt;211&gt; 1062

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (605)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1031)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 108

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&lt;210&gt; 109

&lt;211&gt; 2539

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 109

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 <211> 1751  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 caaaggacct tgctaataatc tgtaagacgg cagctacagc aggcattcatt ggctgggtgt 180  
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 caggagctgt cacgggaagt ctttttagga taaacgtagg cctgcgtggc ctggtggctg 480  
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<210> 112
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<212> DNA
<213> Homo sapiens

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<210> 113
<211> 1654
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (549)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (552)
<223> n equals a,t,g, or c

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<220>
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<222> (1641)
<223> n equals a,t,g, or c

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&lt;210&gt; 114

&lt;211&gt; 1171

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 114

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<210> 115  
 <211> 842  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (834)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (839)  
 <223> n equals a,t,g, or c

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at						842

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 <212> DNA  
 <213> Homo sapiens

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attattcaaa	aaatcatggt	tattttgagt	cctaggactt	aaaattagtc	ttttgtaata	1140
tcaagcagga	ccctaagatg	aagctgagct	tttgatgcc	ggtgcaatct	actggaaatg	1200
tagcactttac	gtaaaacatt	tgtttccccc	acagttttta	taagaacaga	tcaggaattc	1260
taaataaatt	tcccagttta	agattattgt	gacttcactg	tatataaaca	tatttttata	1320
ctttattgaa	aggggacacc	tgtacattct	tccatcgtca	ctgtaaagac	aaataaatga	1380
ttatatcca	cagaaaaaaaa	aaaaaaaaaw	mwstygarr	gsrgcmcrsw	aymmarwwcc	1440
ccwmrtwrgs	mktcstmtka	yttacattca	actctgatcc	cggggcctta	ggtttgacat	1500
gggaggtggg	aggaagatag	cgcataatatt	tgcagtatga	actattgcct	ctgggacgct	1560
gtgaggaatt	gtgctttcac	cagaattttct	aaggattttct	ggcttaaata	tcacctagcc	1620
tgtggtaatt	ttttttccct					1640

<210> 117  
 <211> 952  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (951)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (952)  
 <223> n equals a,t,g, or c

<400> 117						
tgaatttagn	aaacactttg	gaaaaactcat	aacctcatca	gaaactgcct	ttagccacac	60
tcctgacctt	ctagatgagt	aacaaaaaaaa	tgaaataagt	tcttggaat	taagccattt	120
atttttaattt	gctatttttt	tcaatgttct	aggtatcttt	aaatttggtta	ttgtggaatc	180
attttcctgc	cagatacctt	tatcaaaatt	attggcctca	tgagagctga	agtaagtcag	240
cttttttggtg	aacttttagtg	gacttctgtg	agattgtagt	tgtactttgt	atctctaaat	300
ctaaaagatag	tttttttaaaa	ctcccaaaga	aaatctgctc	tcctttctga	tctaaaaact	360
catctttggg	gtaaagagtt	aagtgtccaa	aggttgtcac	agttcatgag	gtcagagggg	420
gctagcctgg	cacctggact	ctgcccattc	acagctgaca	gattccaaca	gaagtgtatt	480
taaattctcc	agtagacaat	gctgggtaag	ggagggggta	gggctgggtt	attaagatac	540
aggctgctgt	attttacatt	ggttgtgggg	gaaggggagc	ctggagaaaa	caaagtcact	600
attccctttt	ttgaaacagg	aaaaaaaaatt	atttttttgt	cagtaaaaaat	ggtagagaat	660
tccaatgtcc	ctagccacaa	gggaccagtt	ccactgagaa	gtgaacagtg	ggaactcaaa	720
atttcagaaa	cattggggga	agggaaaaatt	ggctttctct	taattggcag	atgttccagt	780
ggggsggggg	ggctctgttt	ttgttgggat	gtgttatgtt	gtatgtacgc	atatatggac	840

cggagtcctgc tgagttttata aggttccaaa aatatggtaa aatcttgggtc tttgttaatt 900  
 tatctcaata aaagcccact ggractccaa aaaaaaaaaa aaaaaaaaga nn 952

<210> 118  
 <211> 1256  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1222)  
 <223> n equals a,t,g, or c

<400> 118  
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 ccggctgtcg ctgaccaggc agaagctgcc tgtctacatc agcctgggct gcagcgcgct 120  
 gccgccgcgg ggccggcagg tgaactatgt gctcttcagg gcgggcaccg tgttgcatc 180  
 atctttgtac cccagcatc tagcagtgtt ggcatgtagt aggcactcaa gaaatgtgtg 240  
 ttgaatgaac gatgcctgtg acaagcaagc ggactttatt ctttcttgac ccttgctcct 300  
 atgacacacc tcctcctgac tgccactgtc actccttcag agcagaactc ctctagggaa 360  
 cctggatggg aaacagccat ggccaaggac atcctgggtg aagcagggct acactttgat 420  
 gaactgaaca agctgagggt gttggaccca gaggttacct agcagaccat agagctgaag 480  
 gaagagtgc aagactttgt ggacaaaatt ggccagtttc agaaaatagt tgggtgggtta 540  
 attgagcttg ttgatcaact tgcaaaaaga gcagaaaatg aaaagatgaa ggccatcggt 600  
 gctcggaaact tgctcaaatc tatagcaaag cagagagaag ctcaacagca gcaacttcaa 660  
 gccctaatac cagaaaagaa aatgcagcta gaaaggatc gggttgaata tgaagctttg 720  
 tgtaaagtag aagcagaaca aaatgaattt attgaccaat ttatttttca gaaatgaact 780  
 gaaaatttcg cttttatagt aggaaggcaa aacaaaaaaa agcctctcaa aacaaaaaaa 840  
 acctctgtag cattccaggc gcttgaccaa tgacctatgt cacaagagggt ggcgtgtaag 900  
 gaatgcagcc ccctgaagac agcactacaa gtctggggga gccagtttta acatcagtgc 960  
 acagctgctg ctggtggccc tgcagtgtac gttctcacct cttatgctta gttggaacta 1020  
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 aataaatttt tgttttcaaa tggcttgatg tacctttttt cctgttgctc ttgaaatatg 1140  
 ttttaactcct catgagagaa ccctggatc tctatcccct agtccacaaa acaaaccagg 1200  
 cagtggtcag cagctacctt tnatattggat cacacacgtg agtcagacag taccac 1256

<210> 119  
 <211> 1143  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1139)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1143)  
 <223> n equals a,t,g, or c

<400> 119  
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 gtaccttcca cattgagat tcagaaaaga gtgatctgaa ctctgacct tctttatgga 120  
 tacattaagt caaatataag agtctgacta cttgacacac tggctcgagc aaacatgaac 180  
 gttggagttg cccacagtga agtgaatcca aatacccggt tcatgaacag cgggggtatg 240

tggtgacat	atgcattggg	agttggcttg	cttcattatg	tcttactcag	cattcccttc	300
ttcagtgttc	ctgttgcttg	gactttaaca	aatattatac	ataatctggg	gatgtacgta	360
tttttgcatg	cagtgaagg	aacaccttc	gaaactcctg	accagggtaa	agcaaggctc	420
ctaactcatt	gggaacaact	ggactatgga	gtacagttta	catcttcacg	gaagtttttc	480
acaattttct	caataattct	atattttctg	gcaagtttct	atacgaagta	tgatccaact	540
cacttcatcc	taaacacagc	ttctctcctg	agtgtactaa	ttcccaaaat	gccacaacta	600
catggtgttc	ggatcttttg	aattaataag	tattgaaatg	ttttgaaact	gaaaaaaaaat	660
tttacagcta	ctgaatttct	tataaggaag	gagtggttag	taaactgcac	tgtttctstg	720
ataatgtgaa	atgagaagta	tttacattgg	agggccaatg	gctggtcctt	caagtgtctgt	780
tttgaagtgc	agattttccat	taaatgatgc	ctctgtttta	tacacctggg	acattttctga	840
agaggggctt	tataagcagg	ctgggcaggc	ccagcttata	agttaaaggg	catcacagtga	900
aggggtgtagt	agataaattc	aaggaaaata	gagatttgta	agaaactagg	accagcttaa	960
cttataatga	atgggcattg	tgtaaagaaa	agaacatttc	cagtcattca	gctgtgggtta	1020
tttaaagcag	acttacatgt	aaaccggaat	cctctctata	caagttttatt	aaagattatt	1080
tttattaccg	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaana	1140
gan						1143

<210> 120  
 <211> 1782  
 <212> DNA  
 <213> Homo sapiens

<400> 120						
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caaccacagg	ttccaagatg	gtttgcgggg	gcttcgcgctg	ttccaagaac	tgctgtgtcg	180
ccctcaacct	gctttacacc	ttggttagtc	tgctgctaata	tggaattgct	gcgtggggca	240
ttggtctcgg	gctgatttcc	agtctccgag	tggtcggcgt	ggtcattgca	gtgggcatct	300
tcttgttcct	gattgcttta	gtgggtctga	ttggagctgt	aaaacatcat	caggtgttgc	360
tattytttta	tatgattatt	ctgttacttg	tatttattgt	tcagttttct	gtatcttgcg	420
cttgtttagc	cctgaaccag	gagcaacagg	gtcagcttct	ggaggttggt	tggaacaata	480
cggcaagtgc	tcgaaatgac	atccagagaa	atctaaactg	ctgtgggttc	cgaagtgtta	540
acccaaatga	cacctgtctg	gctagctgtg	ttaaaagtga	ccactcgtgc	tcgccatgtg	600
ctccaatcat	aggagaatat	gctggagagg	ttttgagatt	tgttggtggc	attggcctgt	660
tcttcagttt	tacagagatc	ctgggtgttt	ggctgacctt	cagatacagg	aaccagaaaag	720
acccccgcgc	raatcctagt	gcattccctt	gatgagaaaa	caaggaagat	ttcctttctgt	780
attatgatct	tgttcacttt	ctgtaatttt	ctgttaagct	ccatttgcca	gtttaaggaa	840
ggaaacacta	tctggaaaag	taccttattg	atagtggaaat	tatatatttt	tactctatgt	900
ttctctacat	gtttttttct	ttccgttgct	gaaaaatatt	tgaaacttgt	ggtctctgaa	960
gctcgggtgg	acctgggaat	ttactgtatt	cattgtcggg	cactgtccac	tgtggccttt	1020
cttagcattt	ttacctgcag	aaaaactttg	tatggtacca	ctgtgttggt	tatatggtga	1080
atctgaacgt	acatctcact	ggtataatta	tatgtagcac	tggtgtgtgt	agatagttcc	1140
tactggaaaa	agagtggrra	tttattaaaa	tcagaaaagta	tgagatcctg	ttatgttaag	1200
ggaaatccaa	attcccaatt	ttttttgggt	tttttaggaa	agatgtgttg	tggtaaaaag	1260
tgtttagtata	aaaatgataa	ttwactkgta	gtcttttatg	atwacaccaa	tgtattctag	1320
aaatagttat	gyctagggaa	attgtgggtt	aatttttgac	ttttacagggt	aagtgcaaag	1380
gagaagtggg	ttcatgaaat	gttctaattg	ataataacat	ttaccttcag	cctccatcag	1440
aatggaaacga	gttttgagta	atcagggaag	atatctatat	gatcttgata	ttgtttttata	1500
ataatttgaa	gtctaaaaga	ctgcattttt	aaacaagtta	gtattaatgc	gttgggccac	1560
gtagcaaaaa	gatatttgat	tatcttaaaa	attgttaaat	accgtttttca	tgaaagtctt	1620
cagtattgta	acagcaactt	gtyaaacctt	agcatatttg	aatatgatct	cccataattt	1680
gaaattgaaa	tcgtattgtg	tggtctctgta	tattctgtta	aaaaattaaa	ggacagaaaac	1740
ctttctttgt	gtatgcattg	ttgaattaaa	agaaagtaat	gg		1782

<210> 121  
 <211> 610

<212> DNA  
<213> Homo sapiens

<400> 121  
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tattattaaa aacatatgga tccccatgaa gccctactac accaaaagttt accaggagat 120  
ttggatagga atggggctga tgggcttcat cgtttataaa atccgggctg ctgataaaag 180  
aagtaaggct ttgaaagctt cagcgcctgc tcctgggtcat cacaaccaga tttacttgga 240  
gtacatgtga aagaaaacgt cagtctgcct gtaaatttca gcaagccgtg ttagatgggg 300  
agcgtggaac gtcactgtac acttgtataa gtaccgttta cttcatggca tgaataaatg 360  
gatctgtgag atgcactgct acctgggtact gctttcagtg tgttccccct cagccctccg 420  
gcgtgtcagg catactctga gtagataatt tgtcatgcag cgcattgcaat cagaatctca 480  
ctgagccacc catcattgtg aaataattac ctccagttgta caggacttgg tgatcaggat 540  
ccaggcactc acttgtattc tactgtctca taaacgttta ttaaacttga aaaaaaaaaa 600  
aaaaaaaaaa 610

<210> 122  
<211> 526  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (496)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (501)  
<223> n equals a,t,g, or c

<400> 122  
ggtacgcctg caggtaccgg tccggaattc cgggtcgccc acgcgtcngg ccacgcgtcc 60  
accacgcgt ccgscacgc gtcggagccg agccggactg gtcaggatga tcacggacgt 120  
gcagctcgcc atcttcgcca acatgctggg cgtgtcgctc ttcttgcttg tcgttctcta 180  
tactacgtg gccgtcaaca atcccaagaa gcaggaaatga aagtggcgct ttctccgccc 240  
cagggttcca ggacatagtc tgaggcaaga tggagggtat gaggggcctt cactcttcac 300  
ttcatccctt ctacccatca caacatacaa agcaactaca cctggatttt tccaaacaac 360  
ttttatttcc tcagagtctt ccttaatcct atggaacaag aagctgccac tgaatagggc 420  
ccagtatagg ggcttgcttt tctactccct ccccccata taaaaatata gactttttaa 480  
aaaaaaaaaa aaaaanttcg nggggggscg ggtacccatc ccccta 526

<210> 123  
<211> 2081  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1996)  
<223> n equals a,t,g, or c

098821.061301  
108190 1728860

<220>  
 <221> SITE  
 <222> (2054)  
 <223> n equals a,t,g, or c

<400> 123  
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 cagtcccgggt gctcttctgt ttctcagctc tcgcgcgacc ctcgtcgggtg ccacacgggg 180  
 cgggctacga gctgctcacc cagaagttcc tcagcctgta cggcgaccag atcgacatgc 240  
 accgcaaatt cgtgggtgcag ctgttcgccc aggagtgggg ccagtacgtg gacttgccca 300  
 agggcttcgc ggtracgcag cgctgcaagg tgcgcctcgt gccgytgag atccagctca 360  
 ctaccctggg aaatcttaca cttcaagca ctgtgttttt ctgctgtgat atgcaggaaa 420  
 ggttcagacc agccatcaag tattttgggg atattattag cgtgggacag agattgttgc 480  
 aaggggcccc gatttttagga attcctgtta ttgtaacaga acaataccct aaagggtctg 540  
 ggagcacgggt tcaagaaatt gatttaacag gtgtaaaact ggtacttcca aagaccaagt 600  
 tttcaatgggt attaccagaa gtagaagcgg cattagcaga gattcccga gtcaggagtgc 660  
 ttgtattatt tggagtagaa actcatgtgt gcatccaaca aactgccttg gagctagtgtg 720  
 gccgaggagt cgaggttcac attgttgctg atgccacctc atcaagaagc atgatggaca 780  
 ggatgtttgc cctcgagcgt ctcgctcrar ccgggatcat agtgaccacg agtgaggctg 840  
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 ttaaggcgag tgctccagag tcgggtctgc tttccaaagt ataggacatt tgaagaactg 960  
 gtatgctact cactgggtgaa ggacagtcag gtgaaggact gtaagcccac acaagctctt 1020  
 cttatctcta ctagaattaa aatgttaagt caaaaacggc tccttttttg cgctccttag 1080  
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 ccggtgctgc ttaccttctt tttttgttaa tgtgctttta tttattaaaa aaaattacaa 1200  
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 cttttatatt actgtaagat gttataatgt taatgtggat gtagtgcttt tactttacag 1380  
 attgattgga ataagattat tgcatatgaa tttaccaca ggactctgaa tcatgttacc 1440  
 cactccccct acaatgttgt ccacttagtg agttgcattg atctatccgt accaaatgat 1500  
 gttgaataat tacatatctt tcttgactat actgatttct tattttgggtc actattaacta 1560  
 aatctctgtt aatattctct cttttaactg aaaagggtat ggatagaagg gtttgcaatg 1620  
 ccataattatt ggtggaggggc tgttttaaca tctttgaagt atggcttgct gaatatcttt 1680  
 accaacatct tgaatatata ttctagtgtc cacaagattt agcaaaaaaga taaagcttgg 1740  
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 atattgtaat gcaaaaagtc tcagtaatga tttggtagta ttaattttgt ggtcattgtt 1860  
 tctcttcgat aaattttatt tcattaaata cttrttagag ggttttgaaa tgtttttcaa 1920  
 atatgtgaaa tgtgaaactg ctgtctttta tattaagta attaaagaaa atgtattgtg 1980  
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 atttatttaa ggtnataaaa tcttgacatt tataatcttt c 2081

<210> 124  
 <211> 1717  
 <212> DNA  
 <213> Homo sapiens

<400> 124  
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 tttgggtggg aagagatggc tgacagtgtc aaaacctttc tccaggacct tgccaggaga 180  
 atcaaagact ccatctgggg tatttgtacc atctcaaagc tagatgctcg aatccagcaa 240  
 aagagagagg agcagcgtcg aagaaggcca agtagtgtct tggcacagag aagagcccag 300  
 agtatagagc ggaagcaaga gagtgaacca cgtattgtta gtagaatttt ccagtgttgt 360  
 gcttggaatg gtggagtgtt ctgggttcagt ctctcttgtt ttatocagat atttattcct 420  
 gtgcttcagt cggtaacagc ccgaattatc ggtgaccat cactacatgg agatgtttgg 480

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tcgtggctgg aattcttcc cactcaatt ttcagtgtc tttgggtgct ccccttggtt 540
gtgcttagca aagtgggtgaa tgccatttgg tttcaggata tagctgacct ggcatttgag 600
gtatcagggg ggaagcctca cccattccct agtgtcagca aaataattgc tgacatgtct 660
ttcaaccttt tgctgcaggc tcttttcctc attcaggga tgtttgtag tctctttccc 720
atccatcttg tcggtcagct ggtagtctc ctgcatatgt ccttctcta ctactgtac 780
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cagtcctcat atattatcag tggctgcctt ttctctatcc tctttccctt attcattatc 960
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gctactgcag gtcactgagt tgccctgcat ccaaagggga tggcggggat tggaagaagc 1200
tgtggcagct cttttccctg ttcacctccc gcctgccagg gaaggcagga cccgctctgc 1260
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ttgtccctgg tcaactccct tatagccatt actgtcttgt ttcttgtaac tcagggttagg 1680
ttttggtctc tcttgcctca ctgcaaaaaa aaaaaaa 1717

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<210> 125
<211> 804
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (721)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (723)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (766)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (769)
<223> n equals a,t,g, or c

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<400> 125
ccacgcgtcc ggtcactatg tagtggagg gacagacccc tcccgc aaat tctggaaggt 60
tcttagtctc gactagggca gtagcccccag gactcctagt cgcgggcttc aggtcactgc 120
cggctgaacg gagctgccgt cgccatgttt ggctgcttgg tggcggggag gctgggtgcaa 180
acagctgcac agcaagtggc agaggataaa tttgtttttg acttacctga ttatgaaagt 240

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atcaaccatg	ttgtgggtttt	tatgctggga	acaatcccat	ttcctgaggg	aatgggagga	300
tctgtctact	tttcttatcc	tgattcaaat	ggaatgccag	tatggcaact	cctaggattt	360
gtcacgaatg	ggaagccaag	tgccatcttc	aaaatttcag	gtcttaaata	tggagaagga	420
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ccggcaaatg	tggtttctgaa	atgggtatgaa	aacttttcaa	gacgactagc	acagaaccct	720
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<210> 126  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (277)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<400> 126	
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gggttatttt	g 431

<210> 127  
 <211> 3752  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2186)  
 <223> n equals a,t,g, or c

<400> 127

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 <211> 1144  
 <212> DNA  
 <213> Homo sapiens

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caat						1144

<210> 129  
 <211> 1830  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (317)  
 <223> n equals a,t,g, or c

<400> 129						
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<210> 130  
 <211> 1864  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1648)  
 <223> n equals a,t,g, or c

<400> 130						
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aaaa						1864

&lt;210&gt; 131

&lt;211&gt; 2041

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 131

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<210> 132  
<211> 2012  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> SITE  
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<223> n equals a,t,g, or c

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ggccctgggc caatgactct gcttgtgttt cctggatcta ttattctgca gtggatccca 480  
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tgagcatgta caacctctgg agctagaagc tcctcaggaa agccagttct ccaagttctt 1920  
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2012

<210> 133  
 <211> 1669  
 <212> DNA  
 <213> Homo sapiens

<400> 133  
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<210> 134  
 <211> 1565  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (58)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

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ctccagttg	caataaaaaat	tactgagttg	catcaattga	agaaaaaaaa	aaaaaaaaaa	1560
ctcga						1565

&lt;210&gt; 135

&lt;211&gt; 2007

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 135

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aattattttc	tctgtatgat	taaaagt				2007

<210> 136  
 <211> 1291  
 <212> DNA  
 <213> Homo sapiens

<400> 136						
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ttaagcagtt	cagagagtag	actactcaga	aaattatttc	acgtaattgt	ctaagagggtc	1260
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 <211> 1906  
 <212> DNA  
 <213> Homo sapiens

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&lt;210&gt; 138

&lt;211&gt; 1935

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (450)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 138

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gctacctgga	tccttgaagt	tgccctgggc	tctgcacctt	ctaaacctag	ttcttaagag	1860
ctttccatta	catgagctgt	ctcaaagccc	tccaatwaat	tctcagtgtg	agytccaata	1920
aaaaaaaaaa	aaaaa					1935

&lt;210&gt; 139

&lt;211&gt; 1446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 139

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&lt;210&gt; 140

&lt;211&gt; 1109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 140

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cagctccaaa	cacaggatca	gcaccttgta	taggaattcc	catgaattat	gacttctcat	960
tctgttttat	cagagtgcac	atatgtccta	cttcaggaaa	agtaaaacag	tcattttacga	1020
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<210> 141  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 141						
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cattatcctt	aacattttact	ctcaaaaagc	ttttttatttt	tatttttttg	aaggtagttt	180
ttctgtgtgt	actctgtaac	atgattttgc	tttcaaataca	ttgtgtgtgc	cccatacaaa	240
atgccttttta	tttttgagga	tcgtggactt	tttagtatgg	catgagtgtg	ctaaaagcca	300
gatatctttc	cacattcact	gggtggctttg	acacctagtt	tttaatctcc	catccttact	360
ttaaaccctg	acagtgcagt	cctcagtcag	ggccaggacc	gggctgaggc	cctttgtgga	420
gatgctgcac	caccagcaga	aggctgagac	ctgggttacct	gtacctgttc	acttgtaata	480
aaaagaatta	tctaaaaa					497

<210> 142  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 142						
atgaggcaga	ggcaagctgc	ctgccaaacc	cctccctcaa	ggaatggcct	tgcccaggaa	60
tgcccaccac	acataccctc	ttcttttttt	ctagtcaaac	tcttgtttat	tccttggtct	120
gcctccctcc	tttccctccc	tctcaacctt	ttactttctg	tttctatttc	atgggatttg	180
gggttgaagt	taaaacttaca	acagtgccgc	caacaccaag	tcttgagga	aaaaaatata	240
aagaaattta	acaaaaaaaa	aaaaaaaaa				269

<210> 143  
 <211> 1269  
 <212> DNA  
 <213> Homo sapiens

<400> 143						
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acaggcgcca	cctcagggct	gggcaaaaga	tgtgcaaaag	tcttctatgc	tgcgggtgct	240
aaactgggtgc	tctgtggccg	gaatgggtggg	gccctagaag	agctcatcag	agaactcacc	300

gcttctcatg	ccaccaaggt	gcagacacac	aagccttact	tgggtgacctt	cgacctcaca	360
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aagagcggaa	atccaagaac	tcctagtact	ctgaccagcc	agggccaggg	cagagaagca	1020
gcactcttag	gcttgcttac	tctacaaggg	acagttgcat	ttgttgagac	tttaattggag	1080
atttgtctca	caagtgggaa	agactgaaga	aacacatctc	gtgcagatct	gctggcagag	1140
gacaatcaaa	aacgacaaca	agcttcttcc	cagggtgagg	ggaaacactt	aaggaataaa	1200
tatggagctg	gggtttaaca	ctaaaaacta	gaaataaaca	tctcaaacag	taaaaaaaaa	1260
aaaaaaaaac						1269

&lt;210&gt; 144

&lt;211&gt; 1944

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 144

aaaaggcaaa	ctataggata	acacagagcc	ctttttgaaa	ataaattggc	attggagtgt	60
tttacctct	agctgtttta	cttagaatgt	aacatatgct	gcctaccac	ctcaaaatgt	120
ctgtactgca	agagggccct	gggcctctgc	tttccatatt	cacgtttggc	cagagtgtga	180
gtcccaaaga	agagcatggg	tggcagatgg	tagggaattg	aactggcctg	tgcaatgggc	240
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gtattttcat	gaattttacca	tatatctttg	tttttcttca	acgaaaaagt	taattgaggc	1860
aatgtcatct	gctcaaagtt	gagtgggtta	ttcacaataa	actgtaagtt	tctgattata	1920
aaaaaaaaaa	aaaaaaaaaa	aaag				1944

09882171 061801

<210> 145  
 <211> 1021  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (653)  
 <223> n equals a,t,g, or c

<400> 145  
 tcgacccacg cgtccgggggt gcgcaacggg gagttccggc tggagacccg tgctctgggc 60  
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 ctgctggagc cagaagaaca gccccagccc aggtgggaag gaggcagaaa ctccggcagcc 180  
 tgtggtgatt ctyttgggct ggggtggctg caaggacaag aaccttgcca agtacagtgc 240  
 catctaccac aaaaggggct gcatcgtaat ccgatacaca gccccgtggc acatgggtctt 300  
 cttctccgag tcaactgggta tcccttcaact tcgtgttttg gcccagaagc tgctcgagct 360  
 gctctttgat tatgagattg agaaggagcc cctgctcttc catgtcttca gcaacgggtg 420  
 cgtcatgctg taccgctacg tgctggagct cctgcagacc cgtcgcttct gccgcctgcg 480  
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 ctgctgaggc cattgctcca tctcacctct gctccagaaa taaatgcctg acacctcccc 960  
 acaaaaaaaaa aaaaaaaaaa actcgagggg gggcccggtc cccaattcgc cctataaagg 1020  
 t 1021

<210> 146  
 <211> 1285  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1251)  
 <223> n equals a,t,g, or c

<400> 146  
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 aacgccaagt aggggattgc gttccctcca gtcgcagacc ctatcagatt tggatatgtc 120  
 cttcatatct gattggattt acagtggttt cagcagtgtg ctacagtttt taggattata 180  
 taagaaaact ggtaaaactgg tatttcttgg attggataat gcaggaaaaa caacattgct 240  
 acacatgcta aaagatgaca gacttggaca acatgtccca acattacatc ccacttccga 300  
 agaactgacc attgctggca tgacgtttac aacttttgat ctgggtggac atgttcaagc 360  
 tcgaagagtg tggaaaaact accttccctgc tatcaatggc attgtatttc tgggtggattg 420  
 tgcagaccac gaaaggctgt tagagtcaaa agaagaactt gattcactaa tgacagatga 480  
 aaccattgct aatgtgccta tactgattct tgggaataag atcgacagac ctgaagccat 540  
 cagtgaagag aggttgcgag agatgttttg tttatatggt cagacaacag gaaaggggag 600  
 tatactctct aaagaactga atgcccagac cttagaagtt ttcattgtgta gtgtgctcaa 660  
 aagacaaggt tacggagaag gcttccgctg gatggcacag tacattgatt aacacaaact 720  
 cacattgggt ccagggtctca acgttcaggc ttactcagag atttgattgc tcaacatgca 780  
 taacttgaat tcaatagact tttgctgggt ataaaaacaga tgtttttttag attattaata 840

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cccagcgcca	tttgtaaaga	gcaactttcc	agcagtacat	ttgaagcact	ttttaacaac	1020
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aactagtttt	taaaattttag	attatatgtc	cacctatckt	aagtgtacag	ttataaatta	1140
gcttattcaa	tgattgcatg	atgccttaca	gtttttcaata	actttttttc	ttatgcaaac	1200
gtcatgcaat	aaaacaaact	ctaattgttg	gcaaaaaaaaa	aaaaaaaaaa	ntcgaggggg	1260
ggcccgtagc	caattcgccc	taaag				1285

<210> 147  
 <211> 1386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (821)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (950)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (955)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1023)  
 <223> n equals a,t,g, or c

<400> 147						
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atgaaggcca	cggtcctgat	gcggcacctg	ggcgggtgca	ggagatcgtg	ggcgcctctc	120
gcaaggcgcs	cggagaccgg	ttacaggtga	tttctgattt	tracatgacc	ttgagcaggt	180
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ttcttcaaaa	tttttaaaaa	tgggaagtgc	aaacaaatat	aatgtgtgaa	acagatcaaa	1260
atttttaaaa	tgaaaaaaaaa	gctgctctga	ttcaggggat	gtgggtcggg	gtagaacctg	1320

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 aaaaaa 1386

<210> 148  
 <211> 2098  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2026)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2079)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2087)  
 <223> n equals a,t,g, or c

<400> 148  
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 <212> DNA  
 <213> Homo sapiens

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<220>  
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 <212> DNA  
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&lt;210&gt; 151

&lt;211&gt; 1540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 151

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 <211> 1719  
 <212> DNA  
 <213> Homo sapiens

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 <211> 863  
 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (859)  
 <223> n equals a,t,g, or c

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<210> 154  
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 <222> (713)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1055)  
 <223> n equals a,t,g, or c

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 ccagagcctg cgggtggaatc aagtccaact gaaacatcag aacaaataag agagaaataa 180  
 gaatagaatg aatgacccca aaatargggt ttcttgggcg aggatgtgct ggattaggaa 240  
 aggtgacatg acacaggcag agcagagtgg caccaccac agaatacagt gtgtgttatt 300  
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<210> 155  
 <211> 2031  
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<213> Homo sapiens

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<222> (41)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1855)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2016)

<223> n equals a,t,g, or c

<400> 155

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<210> 156

<211> 1981

<212> DNA

<213> Homo sapiens

<220>  
 <221> SITE  
 <222> (475)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (484)  
 <223> n equals a,t,g, or c

<400> 156  
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 a 1981

<210> 157  
 <211> 915  
 <212> DNA  
 <213> Homo sapiens

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<210> 158  
 <211> 2117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2072)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2113)  
 <223> n equals a,t,g, or c

<400> 158	
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aaagcccaag	aaacctctca
cgtcagcaag	atcatcgcag
cctgtttgtg	gccacattgc
gttacagttg	tggattcgag
tgaaatggat	aagatgcattg
tgacctgggtg	gatgggggtct
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catcaaagctc	aaagacattg
tggcttctgg	cacagcagct
ccccctggaa	tacaaacacc
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ggagagagtt	ttctcagata
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ccaagtgttt	ctgtttcaag
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tgtgtttttt	tttaagttct
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&lt;210&gt; 159

&lt;211&gt; 2395

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 159

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tgcttttaga	actttgacac	tcaatggtta	atttttacaat	ttaagattcc	aactttataa	300
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 <211> 2120  
 <212> DNA  
 <213> Homo sapiens

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 <222> (975)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1405)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2120)  
 <223> n equals a,t,g, or c

<400> 160

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<210> 161  
 <211> 900  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (495)  
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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&lt;210&gt; 165

&lt;211&gt; 2933

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

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<223> n equals a,t,g, or c

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&lt;210&gt; 167

&lt;211&gt; 1816

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (914)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1808)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 167

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&lt;210&gt; 168

&lt;211&gt; 945

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 168

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945

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<213> Homo sapiens

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<220>  
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<213> Homo sapiens

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&lt;210&gt; 171

&lt;211&gt; 2100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 171

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<211> 1930
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1927)
<223> n equals a,t,g, or c
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&lt;210&gt; 173

&lt;211&gt; 1509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 173

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&lt;210&gt; 174

&lt;211&gt; 3173

<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3121)  
<223> n equals a,t,g, or c

<400> 174

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&lt;210&gt; 175

&lt;211&gt; 991

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 175

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&lt;210&gt; 176

&lt;211&gt; 1290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1259)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1266)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 176

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cagttgcagt	ccatcaaggg	gaccaaactc	accatcaccc	aggctgtcac	aaccaccacc	600
acctggaggc	ccagcagcac	aaccaccata	gccggcctca	gggtcacaga	aagcaaaggg	660
cactcagaat	catggcacct	aagtctggac	actgocatca	gggttgcatt	ggctgtcgct	720
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aaggtagcag	ggcgccaagc	agtgacttct	gaccaacaga	gtgtggggag	aagggatgtg	840
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ttggcaagat	acatggagag	caccttgagg	acctttaaaa	ggcaaagccg	caaggcagaa	960
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tgtatggtgg	ctgtcttcta	tggcagaagg	ttttggggaa	taaatagcgt	ganatgntnc	1260
tgactnaaaa	aaaaaaaaaa	aaaaactcga				1290

&lt;210&gt; 177

&lt;211&gt; 2290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1011)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 177

tggggccctt	tttggatgct	ctgggtgttt	ttgccaagag	ttacaggatg	tcaagtgtgg	60
ggagctcagc	acccttgctg	tggaccagtg	aaggctgttc	cagaccaggt	gcttccagac	120
atttccaggc	tccaggagag	aggctgggag	ccccacaga	aagcacagga	aaatgcaaaa	180
aaaaaacagt	cttttttttt	tttttgcttt	ttattatgaa	aacaaaacaa	atgccccagg	240
agaagggctc	atgattacca	gaaacatcaa	agagtacttt	ctaccatttt	tattctgttg	300
tgttgaggcc	agcattgcaa	taaacaagct	aaactactta	cattggactc	attttcagta	360
actgacattt	acaggaatat	actagaaaac	gcactaaaaa	gtttaagaaa	agttacggta	420
aacttgcatg	cacatcatat	agaaaagtaa	catttttaaat	ataaaaaaga	aaaacttcct	480
ggaagcatta	tgccagttatt	aaggaacagt	gctactctgg	atgtgacaaa	ttctgtatgt	540
gggtgttaact	ctttcccaaa	agactgtcag	aggcgtgagt	gctgcaaaaag	aacaacaaca	600
aaaacaaaca	cacaaaaaaa	tgtgtcttac	agtttgtaag	caagatgaca	ctgccccaca	660
caaagagggg	tctggagttc	agttcacgcc	cgaagcctgc	ccccctggcc	tccaggggtc	720
attcagagtg	ttctcaaatc	caattccgac	acacgacttg	tcactactcc	tctccccttg	780
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ccgcagcctt	ctaatacaga	agaaacggac	gtgactgtca	ccctcagccc	gccagcaagg	900
gcgctgagga	agtcattaat	ccttcgaaac	tctgaaaaga	aaccagtgtt	gaagtctgga	960
cagaaaagcct	taaaaaagtg	acagcaccaa	tgcagctgct	cagtgtaccc	nccgtgggct	1020
gtcagggtca	gtggcttctt	tctagatgaa	aggagcagag	gcgagccgac	gccaccgtca	1080
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<210> 178
<211> 549
<212> DNA
<213> Homo sapiens
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<400>	178						
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tgtggaatag	tgtctgtcca	tgctctcct	catgggctac	cacctctgcc	accgtgggta		180
atcagtaaca	accaggagag	aagctgctgg	aactgacctc	tgggaactcc	ctgggatggg		240
ttgggtgcagg	aatgtagtag	gcatacacgt	ggttgcgtgg	atctgggccc	tcctgatgtg		300
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tgtttccaag	atgcttctga	agattgccta	aaaatagccg	gtttccaccc	ccgtgaatgc		420
atccatttcta	gaatgctcct	tcaccaggac	cagagaactg	atttacagaa	gtgacatgaa		480
aacattccat	cccagaattt	gcagtagctc	aaattaagtt	tctagctatt	aaaaagaaaa		540
aaaaaaaaaa							549

```
<210> 179
<211> 1509
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> SITE  
<222> (517)  
<223> n equals a,t,g, or c
```

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<220>  
<221> SITE  
<222> (1509)  
<223> n equals a,t,g, or c
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<400> 179
ggcagcagggg ctcattcatt cgcgcgcggg cctgccagac acctgcgcc ttctgcagcc      60
gcccgcgcga tccgcgcgcg cagccccag catgtcgggc ccagacgtcg agacgcgcgc      120
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<210> 180
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1301)
<223> n equals a,t,g, or c

<220>
<221> SITE

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&lt;222&gt; (1313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 180

agctgtatca	taggaaagat	ggccacacccg	gcggtaccag	taagtgtctc	tccggccacg	60
ccaacccccag	tcccggcggc	ggccccagcc	tcagttccag	cgccaacgcc	agcaccggct	120
gcggctccgg	ttcccgtctc	ggctccagcc	tgcattctca	gaccctgcgg	cagcagcggc	180
tgcaactgcg	gctcctggcc	agacccccggc	ctcagcgcaa	ntccagcgca	gacccccagc	240
cccgtctctc	ctgggtcctc	tcttccaggg	cccttccccg	gcggcccgct	ggtcaggctg	300
cacccagtca	ttttggcctc	cattgtggac	agctacgaga	gacgcaacga	gggtgctgcc	360
cgagttatcg	ggaccctggt	gggaactgtc	gacaaacact	cagtggaggt	caccaattgc	420
ttttcagtgc	cgcacaatga	gtcagaagat	gaagtggctg	ttgacatgga	atttgctaag	480
aatatgtatg	aactgcataa	aaaagtttct	ccaaatgagc	tcattcctggg	ctggtacgct	540
acggggccatg	acatcacaga	gcactctgtg	ctgnatccat	gagtactaca	gccgagaggc	600
ccccaaacccc	atccacctca	ctgtggacac	aagtctccag	aacggccgca	tgagcatcaa	660
agcctacgtc	agcactttta	tgggagtcct	tgggaggacc	atgggagtga	tgttcacgcc	720
tctgacagtg	aaatacgcgt	actacgacac	tgaacgcata	ggagttgacc	tgatcatgaa	780
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agtaccgaaa	atagttcccg	atgactttga	gacctgtctc	aacagcaaca	tcaatgacct	1020
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tgtaaaacctg	tgaatggacc	ccaagcagta	cacttgctgg	tctaggtatt	aaccccagga	1140
ctcagaagtg	aaggagaaat	gggttttttg	tggctcttgag	tcacactgag	atagtcagtt	1200
gtgtgtgact	ctaataaacg	gagcctacct	tttgtaaatt	aaaaaaaaaa	aaaaaaaccn	1260
sgrggggggg	cccgggtccca	ttsscccttt	ngtaattcgt	nttacaatcc	ccnggc	1316

&lt;210&gt; 181

&lt;211&gt; 777

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 181

ggcatgwkca	gacatgactt	ctattgccag	gctgggtcaag	tggcagggtc	atgagggaga	60
catcgataag	ggtgctcctt	atgctccctg	ctctggaatc	caccagcggg	ctatctgcgt	120
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aggtttggtg	gcgtggagga	gaactttgat	ggaaagagaa	ccttcccttc	tgtactgtta	720
acttaaaaaat	aaatagctcc	tgattcaaag	taaaaaaaaa	aaaaaaaaaa	aaaaaaa	777

&lt;210&gt; 182

&lt;211&gt; 791

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

09092171 061801

<220>  
 <221> SITE  
 <222> (340)  
 <223> n equals a,t,g, or c

<400> 182

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actggtcttc	aaatgtgtac	atgtgtgcc	gggagcaa	gccttcttgt	ttctgaaatt	120
ggtcttttag	actgttcttt	tttcccatct	tctcacctcc	tgccccctct	tcagggtact	180
tccgtggcca	gaacccctcc	aggtcagagg	cagaagagaa	gcctcatggg	tcacagcagc	240
agatgtgggc	tggagatcta	ttcatttggt	tttggcttga	atcttctgra	tggtttactt	300
gatcytggga	aaganatata	ttgccaggaa	aaatgatagn	ccttgacaat	gttgaatgat	360
cctgcaccac	cttgaaagac	atcttctaata	tggtttgtca	ggcaaagtgg	ttagtagtca	420
tttgtggcct	gaggtagaag	tcctcagaaa	tcagcagact	tcactgataa	aatgctgact	480
tgcccttgga	ctgggctctg	tgagagtggc	cttctgcact	gtgcacagta	ggtgtgaaca	540
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ccactaatag	aattcagctt	ttagcatggg	ctgtttcata	ctgttctgat	gaaactgatt	660
tggtttcttt	cctccatacc	ccttctgcat	ttcagtgttt	ttgtttagtt	ttcctggttt	720
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aaaaaaaaact	c					791

<210> 183  
 <211> 1405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1359)  
 <223> n equals a,t,g, or c

<400> 183

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aagctgatgg	gccagataca	tcagctcaga	tccgaattac	aggatatgga	ggcacagcaa	180
gttaatgaag	cagaatcagc	aagagaacag	ttacaggwtc	tgcatgacca	aatagctggg	240
cagaaagcat	ccaaacaaga	actagagaca	gaactggagc	gactgaagca	ggagttccac	300
tatatagaag	aagatcttta	tcgaacaaag	aacacattgc	aaagcagaat	taaaagatcga	360
gacgaagaaa	ttcaaaaact	caggaatcag	cttaccataa	aaactttaag	caatagcagt	420
cagtctgagt	tagaaaatcg	actccatcag	ctaacagaga	ctctcatcca	gaaacagacc	480
atgctggaga	gtctcagcac	agaaaagaac	tccctggctc	ttcaactgga	gcgcctcgaa	540
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ttttggattt	tcatatattt	aactttgcaa	aaagattttac	tttgtacatg	ttacaggctt	1320
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taaaaaaaaa	aaaaaaaaaa	ctcga				1405

<210> 184  
 <211> 1596  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1571)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (1577)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1588)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1596)  
 <223> n equals a,t,g, or c

<400> 184  
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 caccaccacc atgtttggctg caaggctggg gtgtctccgg acaactacct ctagggtttt 180  
 ccaccagct ttcaccaagg cctccctgtg tgtgaagaat tccatcacga agaataaatg 240  
 gctgttaaca cctagcaggg aatatgccac caaaacaaga attgggatcc ggctggggag 300  
 aactggccaa gaactcaaag aggcagcatt ggaaccatcg atggaaaaaa tatttaaaat 360  
 tgatcagatg ggaagatggg ttgttgctgg aggggctgct gttgggtctg gagcattgtg 420  
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 gtgtcatgag aatgtaagtc tttttctac tttaaaattt agtaggttca ctgagtaact 1500  
 aaaatttagc aaacctgtgt ttgcatattt tttkggagtg cagmmtawtg taattaragc 1560  
 attccagtaa nagtgnnttt aaagttgnntc tatatn 1596

<210> 185

09882171 061901  
 T08T90 T 128860

<211> 2293  
 <212> DNA  
 <213> Homo sapiens

<400> 185

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acacatcccc	tcaccaataa	caacattaag	cagcgcctca	tcaagaaagt	acaggaagcc	540
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ttggtagcaa	gtaatgatta	caaccagag	gattaagaat	tttgtaacag	aaagctctat	1920
gttttaattt	tttatataca	attaggataa	ttagcattgt	cagactataa	acctttgctt	1980
tttaaagttt	atttttacta	tttctttatc	actttattgt	atcatcacca	ttggtttcat	2040
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gttaaatagtg	gggctttcag	gtgttttag	attttttttg	ttgttggtta	catttcattgc	2160
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<210> 186  
 <211> 1212  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> SITE

<222> (1212)

<223> n equals a,t,g, or c

<400> 186

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<210> 187
<211> 1605
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1363)
<223> n equals a,t,g, or c

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<400> 187
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gcgcggggcg gcggcgcccc aaatggagct ggcccggaat ggggaggggt cgaagaaaac 240
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 <212> DNA  
 <213> Homo sapiens

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 gaaacaaata gagaagagag actcggttct aacttcgaaa aatcagattg aaagactgac 180  
 ccgtcctggt tcctcttact tcaatttgaa cccatttgag gttcttcaga tagatcctga 240  
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 <211> 681  
 <212> DNA  
 <213> Homo sapiens

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 <222> (152)  
 <223> n equals a,t,g, or c

<400> 189  
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 caggggacca ttgcagcatc ctccctcctc cnggactcaa ggtgctgagg tataagccct 180  
 gggccccaga tccctgrtka cacttccctg gagaagactc tcaaaagtga ctgtatat 240  
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 aaaaaaaaaa aaaaaactcg a 681

<210> 190  
 <211> 1014  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1005)  
 <223> n equals a,t,g, or c

<400> 190  
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<210> 191  
 <211> 2779  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (318)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2003)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2004)  
 <223> n equals a,t,g, or c

<400> 191  
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&lt;210&gt; 192

&lt;211&gt; 1923

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1900)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 192

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 cagattatta ttttgtaagt tgtggaaaaa gctaattgta gttttcatta tgaagttttc 1860  
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 att 1923

<210> 193  
 <211> 2346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (220)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (515)  
 <223> n equals a,t,g, or c

<400> 193  
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acaatc						2346

<210> 194  
 <211> 3054  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (80)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (3034)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3047)

<223> n equals a,t,g, or c

<400> 194

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3054

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<220>  
<221> SITE  
<222> (18)  
<223> n equals a,t,g, or c
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```
<220>
<221> SITE
<222> (89)
<223> n equals a,t,g, or c
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		gcgtcccccac	accgcgcacc	ttctgcggga	acgtgctcgc	cgtgccgggg	accatatgga	180
		cggaaggctt	tgtgctcacc	tacaagctgg	gtgagcaggg	tgccagcagc	ctgttgatcc	240
		tcttggtccc	tgctggagca	cgagcggcgt	ttctgctccc	gagttgggac	tgtggaatgg	300
		tgtgggtgct	gtggtctgct	ccatcgctgg	ctcctccctg	ggtagggacct	tgctggccaa	360
		gcactggaaa	ctgtctgctc	tgtgaggtcg	gtgctgcgct	tcgcctccgg	gggcctagcc	420
		tgtcagactg	ccttggtctt	ccaccttgga	caccttgggg	gccagcatgg	acgctggcac	480
		aatcttgaga	gggtcagcct	tgctgagcct	atgtctgcag	cacttcttgg	gargcctggt	540
		caccacagtc	accttcactg	ggaatgatgc	gctgcagcca	gctggccccc	agggccttgc	600
		aggccacaca	ctacagcctt	ctggccacgc	tggagctgct	ggggaagctg	ctgctgggca	660
		ctytggscgg	agggcctggc	tgatggggtg	gggccacatc	cctgcttctt	gctcctgctc	720
		atcctctctg	cctttcccg	tctgtacctg	gacctagcac	ccagcacctt	tctctgagct	780
		gagtggctgg	agtggatcaat	aaagccacat	gtgctgtggt	ccccaaaaaa	aaaaaaaaaa	840
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<210> 196
<211> 1290
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (871)  
<223> n equals a,t,g, or c
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```
<220>
<221> SITE
<222> (964)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1169)
<223> n equals a,t,g, or c
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<220>

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cctctgtggg	ccaccagcgt	cttggttgg	tgggagggct	ctcaatcagc	agggccccag		120
kagggcaaga	agaagtgggg	caaagcctgg	cgctcggccg	cggtcgcggc	agctttgcma		180
tctggagcca	cgcttctctc	aggccatgat	ccttgaactt	ggaaatgtca	accggagccc		240
ttaacaccag	ccctccagca	tctaattgac	ttgaatctac	tctaaacgaa	tattttaatcc		300
aaactcaact	acattgtagc	tcagtccaac	gactaacctt	gaaatggggg	tgttccagcc		360
ttcagcgaga	tggccaagcg	gtccctctgg	ggctgtggca	gcgggcttat	ccttctctgt		420
tgccaacctt	gocgtccgac	ctctctcgcc	cccatgcggt	gaccccgctc	gtgtctgtgt		480
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aggtgcgtgg	agaaggctcc	gacgtctccg	aagtgcagcc	cttgggatgg	cattccgttg		600
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gctgtattaa	aaggactttt	aaaagcaaaa	aaaaaataaa	aaaaactcga	ggggggggccc		720
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tcnccgttwa	awtttttggt	taaatcarct	caattttttt	aacccaataa	gscgaaatc	1020
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aaaggggaaa	aaacsytttt	ytggggggna	anggggcccc	cntacttttna	acaycccccc	1200
ccaawcaatt	tttttggggg	gtcccnaaag	gtccccctaa	aanctttttt	cggaaaccna	1260
agggganccc	cccatTTaaa	attttnggtn				1290

<210> 197  
 <211> 582  
 <212> DNA  
 <213> Homo sapiens

<400> 197	
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gcaagctgtt	aaagatcttg
aatcactttt	tctcttttat
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gatatggtaa	ttttcataac
agaaaaaac	tggcttcatt
aagccaactg	agataccgtg
agccactgag	ccttttatta
taaatatact	gtttatctgt
	ttctgaaaaa
	aaaaaaaaaa
	aa

<210> 198  
 <211> 1020  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (86)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (87)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (107)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (978)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (990)  
 <223> n equals a,t,g, or c

<400> 198

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<210> 199
<211> 524
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> SITE  
<222> (75)  
<223> n equals a,t,g, or c
```

<400> 199

```
<210> 200
<211> 332
<212> DNA
<213> Homo sapiens
```

<220>  
<221> SITE  
<222> (93)

<223> n equals a,t,g, or c

<400> 203

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aaaaataaat	tgtgcatcta	atgtctacca	attaatgtac	ttgtagatgt	atcttatctt	180
aacttgagtc	tttgctgccc	ctaagaggt	gtgaaggact	cttctccctt	ggggaagtct	240
ttctttttca	ggaggaggga	gggctttccc	aggtaatgtg	tctagagtgt	tgggcagaar	300
aatctgggac	cacaccacac	cagttctctc	cttaatccac	gtcatttgcc	ttctatccca	360
gctatgtttc	cagtgtcctc	tgggtgtttc	caagagcaac	aagaaaygaa	taaattctctg	420
ktgagttgtc	tatttgttct	tcactttgtt	ttacactgta	wtttctgagt	ttatgggtgt	480
ctgtgaatta	aaaaggaaaa	gtrgaataa	gtaaaactca	ggttgaagga	aatatacata	540
aataagataa	agctgacctg	tagatatarr	caggttataa	ragcttagag	ttgtctaagt	600
tgrgtgcaaa	ktttctctctg	atctttctga	tgccgaraca	aaaaaggcag	tcatgtttgt	660
watgtgattg	gaatggaaacc	cgaraagaga	gcaygctgtg	ttcttgggga	caggaaagct	720
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ctaaagcacg	gcgtgttggtg	cagcggaaat	ggctcatctgc	tgctaaaaca	cagcttccat	900
cgtaatgtat	gctccttact	caaagagtgt	ggctcccaaac	agcctttggg	aggtcctcct	960
tgattcatgg	atgaaacctg	gaacatcttg	aggactgagt	taaccatagg	tccttaaata	1020
actctccaca	cgtttttctt	agtttatctc	tacatgcagg	gtgtgcagca	gcctgttcaa	1080
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ccttatttct	tctaaactca	ccattaatct	gaataatagt	caaatttagg	gg	1192

<210> 204

<211> 589

<212> DNA

<213> Homo sapiens

<400> 204

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cacagattga	ggatacggaa	cccatgtctc	cagttctcaa	ttctaaattt	gttctgtctg	180
aaaatgatag	tatcctgatg	aatccagcac	aggatgggtga	agtacaactg	agtcagaatg	240
atgacaaaac	aaagggagat	gatacagaca	ccmgggatga	cattagtatt	ttagccactg	300
gttgcaaggg	cagagaagaa	acggtagcag	aagatgtttg	tattgatctc	acttgtgatt	360
cggggagtca	ggcagttccg	tcaccagcta	ctcgatctga	ggcactttct	agtgtgttag	420
atcaggagga	agctatggaa	attaaagaac	accatccaga	ggaggggtct	tcagggctctg	480
aggtggaaga	aatccctgag	acaccttggtg	aaagtcaagg	agaggaactc	aaagaagaaa	540
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<210> 205

<211> 847

<212> DNA

<213> Homo sapiens

<400> 205

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tccagaaccc	agccagcagt	ccaagtagct	ggacccacga	ggaggaacca	ggctactttc	300
cccagtactg	agtgggtggac	atcgtctctg	ccactcctga	ccagcctgaa	caaagcacct	360
caagtgcagg	gaccaaaggg	ggcctggctt	ggatgggttg	gcttgctgat	ggctgctgga	420
ggggacgctg	gctaaagtgg	ggaggccttg	gcccacctga	ggccccaggt	gggaacatgg	480
tcacccccac	tctgcatacc	ctcatcaaaa	acactctcac	tatgctgcta	tggacgacct	540

```
<210> 206
<211> 852
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (55)
<223> n equals a,t,g, or c
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```
<220>  
<221> SITE  
<222> (318)  
<223> n equals a,t,g, or c
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```
<220>  
<221> SITE  
<222> (363)  
<223> n equals a,t,g, or c
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```
<220>  
<221> SITE  
<222> (380)  
<223> n equals a,t,g, or c
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```
<220>  
<221> SITE  
<222> (383)  
<223> n equals a,t,g, or c
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gccatcaacg	cgttcgcca	ggtgcggtg	aaacaccgga	agctccggga	acaagtgaac		120
tccatggtgg	acatctccaa	gatgcacatg	atcctgtatg	acctgcagca	gaatctgagc		180
agctcacacc	ggggccttga	gaaacagatt	gacacgtctg	cggggaagct	ggatgccctg		240
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aagtagctgg	accacagnag	gaggaaccag	gctactttcc	ccagctatga	ggtgggtggac		360
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tgcataacct	catcaaaaac	actctcacta	tgctgctatg	gacgacctcc	agctctcagt		600
tacaagtgca	ggcgacttga	ggcaggactc	ctgggtccct	gggaaagagg	gtactagggg		660
ccgggattca	ggattcttgg	aggcttcagt	taccgctggc	cgagctgaag	aactgggtat		720
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cttatcttttg ta

852

<210> 207  
 <211> 1354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (465)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (794)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1344)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1349)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1350)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1352)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1354)  
 <223> n equals a,t,g, or c

<400> 207  
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 tcggctgtca atgccactgg gcacctttca gacacacttt ggctgatccc catcacattc 180  
 ctgaccatcg gctatggtga cgtggtgccg ggcaccatgt ggggcaagat cgtytgctg 240  
 tgcactggag tcatgggtgt ctgctgcaca gccctgctgg tggccgtggt ggcccgaag 300  
 ctggagttta acaaggcaga gaagcacgtg cacaacttca tgatggatat ccagtatacc 360  
 aaagagatga aggagtccgc tgcccagtg ctacaagaag cctggatggt ctacaaacat 420  
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 aacgcgttcc gccaggtgct gctgaaacac cggaagctcc gggaacaagt gaactccatg 540  
 gtggacatct ccaagatgca catgatcctg tatgacctgc agcagaatct gaggagctca 600  
 caccggggccc tggagaaaca gattgacacg ctggcgggga agctggatgc cctgactgag 660  
 ctgcttagca ctgccctggg gccgaggcag ctccagaac ccagccagca gtccaagtag 720  
 ctggacccac gaggaggaac caggctactt tccccagtac tgagggtggtg gacatcgtct 780  
 ctgccactcc tganccagc cctgaacaaa gcacctcaag tgcaaggacc aaagggggcc 840

098827.051301  
 108790.728860

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catcaaaaac	actctcacta	tgctgctatg	gacgacctcc	agctctcagt	tacaagtgca	1020
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&lt;210&gt; 208

&lt;211&gt; 1378

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (402)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1371)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1376)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 208

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ccaggccact	tgactcccag	tctggtgccc	tgtctacacc	agacaacaca	ggagctgggt	660
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aacagcacct	tttaatatat	aggtctctct	ggaagagacc	taaattagaa	agagaaaact	960
gtgacaattt	tcatattctc	attcttaaaa	aacactaatc	ttaactaaca	aaagttcttt	1020
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CCCTG "T" ZT8860

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagaa naaaanaa 1378

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```

<210> 209
<211> 1166
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (12)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (79)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (650)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1154)
<223> n equals a,t,g, or c

```

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<400> 209
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cttcatttta gatgggccnc aatatttaag atggactgrg gmcccccrag actgaccctt 120
gaaaggggga ctcagaagaa agatccttga cattgccmaa catgctgggc ttgtccaaca 180
cagtgatgcg gctcatcgag aarcgggctt tccmaggaca agtactttat gataggtggg 240
atgctgctga cctgtgtggg catgttcttc gtgggtgcagt acctgacatg agccagccac 300
gctcagtggc tgaacagcat tcccacagcc tgcaagtgtg tgtgtgtgtg aaagagagag 360
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tgatttgtgt ctaattttcca acctgctctg ttttctgtga catcttggag ggggagctag 480
tgccamcacc atgcgcgggtg cttaggaaat gaaagaagtc ccgggtctgt ctctctcact 540
ctcgctctca mtggggggagg gaaagaatgg ctttgggtggc tttgttcaca cagctgatgc 600
gtgscctggg aaggtgtcca cagtgaagcc tgtgtgcagg actgtccacn acggttcaca 660
ccttgtcacc atcaggcctt tctggctcct gatagggtgg agcaaaaagt gaaaggaaaag 720
gaaagaggcy ttttctcaca gccattatat taaatagtag gtcgattcac atcytcgtgc 780
tcctggccac cctccctgtg gcctcagtga catgtagatg actgactgcc aatacttgtc 840
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gtaagatttt ccacactaca gctgggtgtt tctcttttct aaagtgaggc cagtgttatt 960
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ggcctttgcc ccttagraaa gtagctttta ggggcaaaga tttgttgatt ttccccatta 1140
cagtcttcag ctcnagggtt ttaaaa 1166

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<210> 210

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09882171 051801

<211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (459)  
 <223> n equals a,t,g, or c

<400> 210  
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 gttgcttttca gtgccttttta tttgattcct ggagagagca gactcgcacs aacattcaac 120  
 cccagcgctg atatgacagt aatcctcaga ggcagagccc agcacaaaac agcaatgcta 180  
 gaaagttaca attggaaagt ttccctgccag cttcgggaat gacactgcaa agctgatgcc 240  
 agaaactgcc agrgtaattc tcctcattac tgctctaccc acccactttc agctccccaa 300  
 attaactagt gcagttgact aattctcttt acctttatca tttarggtga rgcattgcac 360  
 aaaaactctc gacttttgcca tataagggct gtggttctct gtggtcccct ggataagagg 420  
 catcaccatt atctggaaac atgcagtaaa tgcagattnt tcatcttctc cccagacctc 480  
 ctgagttaga aattcacaaag ttctccaggt gatctcatac atgctaaaagt ttgagaacca 540  
 ttgagtaaaag ttaatgcatt aagaagagat tagatagggg tgggtggcgta tcttcctaca 600  
 gtttccctgt taacaagaaa gtcagaggtc agttgatcag acattagatt atttattgct 660  
 aaaactaaaa aaaattaaaa aaaactggag gggggcc 697

<210> 211  
 <211> 932  
 <212> DNA  
 <213> Homo sapiens

<400> 211  
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 gctcaccttc aaagtctatg cagcaccaaa aaaggactca cctcccaaaa attccgtgaa 180  
 ggttgatgag ctttcaactct actcagttcc tgaggggtcaa tcgaagtatg tggaggaggc 240  
 aaggagccag cttgaagaaa gcctctcaca gctccgacac tattgcgagc catacacaaac 300  
 ctggtgtcag gaaacgtact cccaaactaa gcccaagatg caaagtttgg ttcaatgggg 360  
 gtttagacagc tatgactatc tccaaaatgc acctcctgga ttttttccga gacttggtgt 420  
 tattggtttt gctggcctta ttggactcct tttggctaga ggttcaaaaa taaagaagct 480  
 agtgtatccg cctgggtttca tgggattagc tgctccctc tattatccac aacaagccat 540  
 cgtgtttgac caggtcagtg gggagagatt atatgactgg ggtttacgag gatataatg 600  
 catagaagat ttgtggaagg agaactttca aaagccagga aatgtgaaga attcacctgg 660  
 aactaagtag aaaactycat gytctgccat cttaatcagt tatrggtaaa cattggaaac 720  
 tccatagaat aaatcagtat ttctacagaa aaatggcata gaagtcagta ttgaatgtat 780  
 taaattggct ttcttcttca ggaaaaacta gaccagacct ctgttatctt ctgtgaaatc 840  
 atoctacaag caaactaacc tggaatccct tcacctagag ataatgtaca agccttagaa 900  
 ctctcatttc tcatgttgct atttatgtac ct 932

<210> 212  
 <211> 661  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
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 agattccccc taggggttgat atgtgtctaa ttcattttat aaaaattatt cttgtcttca 120  
 ttttaaagct ttggctatat agtcagaaat gtccataaata acaactatt ttgtatttaa 180  
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gtgatccctc	tcaagctcag	atcagttcta	taacccaatg	acaacctgtc	tctttgggtt	420
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c						661

<210> 213  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (394)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (545)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (566)  
 <223> n equals a,t,g, or c

<400> 213						
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tccttttatcc	tgtagtatt	accttcctta	atctttgttc	cttaacatgc	taaattcctc	180
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ggctcttttaa	atagtctaca	agacattcac	gttnaacatc	actttttagt	aaataaaaatg	420
tgccatacta	gtatgtgctt	caaaagggca	aatgtgcttt	agtgccttaa	ggctaaaattt	480
tggtcatttg	acatcagaga	tggtgtaagt	attgcactta	atacgcacct	atttctcaat	540
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<210> 214  
 <211> 938  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (100)  
 <223> n equals a,t,g, or c

<400> 214						
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gttcttscta	atctttttcc	tattggctct	tgggagtttn	ctttgtttgc	tcctgtgttt	120
gccagctttt	aataaaaacca	ggcgcaaaca	aaaaccatag	cattctgaaa	caataggggg	180
cccacattgg	accagtatg	tcactttaat	ggacttcaag	aaaaaatctg	aatgggaaaa	240

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<210> 215
<211> 1079
<212> DNA
<213> Homo sapiens
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```
<210> 216
<211> 3791
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (3682)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (3771)
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3779)

<223> n equals a,t,g, or c

<400> 216

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<210> 217  
 <211> 1334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (199)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1265)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1267)  
 <223> n equals a,t,g, or c

<400> 217						
cagtgtctgc	tcctgtctcg	ggcgctgcgg	ccccgggcgt	cgccatgacc	agtgagctgg	60
acatcttcgt	ggggaacaga	cccttatcga	cgaggacgtg	tatcgectct	ggctcgatgg	120
ttactcggtg	accgacgcgg	tggccctgcg	ggtgcgctcg	ggaatcctgg	agcagactgg	180
cggcacggga	gcgggtgctnc	agagcgacac	catggaccat	taccgcacct	tccacatgct	240
cgagcggctg	ctgcatgcgc	cgcccaagct	actgcaccag	ytcatcttcc	agattccgcc	300
ctcccggcag	gcactactca	tcgagaggta	ctatgccttt	ratgaggcct	ttgttcggga	360
ggtgctgggc	aagaagctgt	ccaaaggcac	caagaaagac	ctggatgaca	tcagcaccaa	420
aacaggcatc	accctcaaga	gctgccggag	acagtttgac	aactttaaac	gggtcttcaa	480
ggtggtagag	gaaatgcggg	gctccctggg	ggacaatatt	cagcaacact	tcctcctctc	540
tgaccgggtg	gccagggact	atgcagccat	cgtcttcttt	gctaacaacc	gctttgagac	600
agggaaagaa	aaactgcagt	atctgagctt	cggtgacttt	gccttctgcg	ctgagctcat	660
gatccaaaaa	tggacccttg	gagccgtcga	ctcacagatg	gatgacatgg	acatggactt	720
agacaaggaa	tttctccagg	acttgaaggga	gctcaagggtg	ctagtggctg	acaaggacct	780
tctggacctg	cacaagagcc	tgggtgtgcac	tgctctccgg	ggaaagctgg	gcgtcttctc	840
tgagatggaa	gccaaacttca	agaacctgtc	ccgggggctg	gtgaacgtgg	ccgccaaact	900
gaccacaaat	aaagatgtca	gagacctgtt	tgtggacctc	gtggagaagt	ttgtggaacc	960
ctgccgctcc	gaccactggc	cactcagcga	cgtgcggttc	ttcctgaatc	agtattcagc	1020
gtctgtccac	tcctctgatg	gottccgcga	ccaggcctct	gggaccgcta	catgggcacc	1080
ctccgcggct	gcctcctgcg	cctgtatcat	gactgagggtg	cctcccaacg	ctccgcccac	1140
gctgacaata	aagttgctct	gagtttggag	actggctctc	gctccggggga	gcaagtgggg	1200
ggcgtgcaga	tgtgcctgtg	tctgtctctg	agcacctggt	gtccgtgtac	aaggatggat	1260

gtgtncngtg gctccttggg aactgagaca tatctcaggg aatgggtgtct gtgctcagcc 1320  
catccaccag aaga 1334

<210> 218  
<211> 1511  
<212> DNA  
<213> Homo sapiens

<400> 218  
gtggcgggga tgctgagagg ggggtctcctg cccagggcgg gccgggtgcc taccctccag 60  
actgtccgct atgggtccaa ggctgttacc cgccaccgtc gtgtgatgca ctttcagcgg 120  
cagaagctga tggctgtgac tgaatatatc cccccgaaac cagccatcca cccatcatgc 180  
ctgccatctc ctcccagccc cccacaggag gagataggcc tcatcaggct tctccgcccgg 240  
gagatagcag cagttttcca ggacaaccga atgatagccg tctgccagaa tgtgggtctg 300  
agtgcagagg acaagcttct tatgagacac cagctgcgga aacacaagat cctgatgaag 360  
rtcttcccca accaggctct gaagcccttc ctggaggatt ccaagtacca aaatctgctg 420  
cccttttttg tggggcacia catgctgctg gtcagtgaag agcccaaggt caaggagatg 480  
gtacggatct taaggactgt gccattcctg ccgctgctag gtggctgcat tgatgacacc 540  
atcctcagca ggcagggctt tatcaactac tccaagctcc ccagcctgcc cctgggtgcag 600  
ggggagcttg taggaggcct cacctgcctc acagcccaga cccactccct gctccagcac 660  
cagcccctcc agctgaccac cctgttggac cagtacatca gagagcaacg cgagaaggat 720  
tgtgtcatgt cggccaatgg gaagccagat cctgacactg ttccggactc gtagccagcc 780  
tgtttagcca gccctgcgca taaatacact ctgcgttatt ggctgtgctc tctcaatgg 840  
gacatgtgga agaacttggg gtcggggagt gtgtttgtca cttggttttc actagtaatg 900  
atattgtcag gtatagggcc acttggagat gcagaggatt ccatttcaga tgtcagtcac 960  
cggcttcgtc cttagttttc ccaacttggg acgtgatagg agcaaagtct ctccattctc 1020  
caggtccaag gcagagatcc tgaagagata gggctattgt cccctgcctc cttgggtcact 1080  
gcctcttgct gcacgggctc ctgagccacc cccttggggc acaacctgcc actgccacag 1140  
tagctcaacc aagcagttgt gctgagaatg gcacctgggt agagcctgct gtgtgccagg 1200  
ctttgtgctg agtgctgtac atgtattagt tcctttactg ctgaccacat tgtaccatt 1260  
tcacagagaa ggagcagaga aattaagtgg cttgctcaag gtcattgcagt tagtaagtgg 1320  
cagaacaggg acttgaacca agccctctgc tctgaagacc gcgtcctgaa tttcttccact 1380  
agagcttctc catcagggtta cccagaagtg ggtcccatcc accatccagg tgtgcttgga 1440  
tgtttagttct ccaccctcga ggtgtacgct gtgaaaagtt tgggagcact gctttataat 1500  
aaaatgaaat a 1511

<210> 219  
<211> 642  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (633)  
<223> n equals a,t,g, or c

<400> 219  
aggccttact tttcctccca caaaggagtc gcagccacgc tagctctgac ttgccactgt 60  
gacaaaagttc acgtagcagg tctaggcaaa gactgggcaa ttgagcagag gagacggacc 120  
tgtgagtctg accrygagsc ggrcccttcc accttggctg ggctggctct ggtccttagg 180  
ttttgtcagg ttgtccttgt ttggatccct caactagggtg ataagcactg gagggggatg 240  
acccgccttg gacgtgtttc tttaacctca tccatataat agggccgtgg gatgggtgta 300  
gaggtaaagc aggatgatgg tgttttaaga ccagagcttg ggaccagggc tcctacacct 360  
aattttctct cctggttagct gaacaaaaggt ctaaattagc ttaacaaaag aacaggctgc 420  
cgtcagccag agttctgaag gccatgcttt cagtttcctt tggtgacaat tgctctccag 480  
ttcctatgaa agcacagagc cttagggggc ctggccacag aacacaacca tcttaggcct 540

gagctgtgaa cagcaggggg ttgtgtgtct gttctgttct tctgcttgcc gaactttctc 600  
aataaacctt atttcttatt ttatatattac gtnggtgctg gg 642

<210> 220  
<211> 1241  
<212> DNA  
<213> Homo sapiens

<400> 220  
gggtccactg ttccatttta tgctaataga ttccattcta gggcccagcc gtctcttgac 60  
tgatgggtgt cccctttaacc cttggcatgt ataatagaat tttgggtgaat gaaagaaccc 120  
aaataggcca gatagtcccc ccaggccctg atatccataa aaggcttgagg aatgcattat 180  
gtaattgtcc ttagtctttt tgttggttta gaaaaaaaaa acaagatggg ctcagatgga 240  
tgcttacgta aaaatgggtc ctagctgtgt actcataact tttctttgaa ttgagttagt 300  
aaaggaagga ggaggaaaagg aaattaaatg tccttctagt attctctgga ctcaagtctg 360  
acatatgrga taataaccta tattgaaatg ccaagaattg tatctgaaac aagrgaacag 420  
tttgacacat ttatcatgcc ttcatattac atattaactg aaaccaatta ataaacatat 480  
gaaatatcca ttgcacaagg caaaggcacc taaacctttt gtttcttttt ctacatagca 540  
gaaattgatt ttttttttat ttttttaggg gaacctatat aattatgacc cagtgtatgtc 600  
ttttgggtgac ttaagcttat gaattcaggt tacaattgag ttgattctag atgggttacta 660  
ccttgaaaag gatgttggtg ccttatgtga cagcagccag agcctgctgg gaataaacia 720  
agcagattca tgccaacacc aactcgtagc tttagtggca gatgggagtg gtcacagact 780  
cccaaaatgt ggggcttttg atttccacac catcccacgt gtgtgtcatc ttctcttttc 840  
acactcttga tgataatttg aaaatgrtga aatcacctct gaatttgcct atagcatgag 900  
cacattctta tgacaacata acaaatagtt cataatgtga atattagaaa ctgttacagc 960  
ctgcagttac cataattttc catgtttgtg gaattgatat tgaaatagca gggctaagga 1020  
attactggca agtttttagcc tgtgggtaat accttagggt tatttaaata tttgtaat 1080  
tatttaaattg ttcattgaatg tttgaaagga acaaaattat cagggatggc tctttgccat 1140  
gggtcttatt ttcacctctt tttctgtaag aaaaaagaac aatgtcttaa tgtattttta 1200  
aagtttttgg tatagtttct aattccaatt ttaataaaag t 1241

<210> 221  
<211> 504  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (489)  
<223> n equals a,t,g, or c

```

<400> 221
cggatttttct aggaccccaa aaaaaaaaaa agggnaaaaa aaaccncaa aaccanccaa      60
aaccacaaaa aaaaaaaaaa tccacaaaaa caaaaaaact ataaaaaaga aagaattaaa      120
aactttcaga gaattactat ttactttatt aacttacgga ttattatat aaatatatat      180
tcacctagca acatatctct gccgtctctc ctgctctcat aatgaagaca tagccgattc      240
tctgcccggg ccccttgctg atgctcctcc gggctctgct cgggctgagg tctctgggga      300
ccctccagag gtggagggtgg gctgatggcc tggctgcctg gtggttgatg gttttgctcc      360
ccctaccttt tttttttgag tttattctga ttgatctttt ttcttggttt ctggataaac      420
caccctctgg ggacaggata ataaaacatg taatatTTTT aagaaggaaa aaaaaaaaaa      480
aaaaaactng gggggggccc cgaa                                     504

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<210> 222
<211> 1080
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1026)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1050)
<223> n equals a,t,g, or c

```

```

<400> 222
tgtttatgtg acctaaaaca tacacacatg cacacacaca tacatatcca ttcattcatt      60
cattcaagtg gtgtttccag tgtctgtgtg tcaactgttta tgcagtttcc atttcccagt      120
gaattatgag tggaggggcaa cttttctaac cagattgtct tttcagaaca aagacckggg      180
rattgaggaa gagtttggaag agaggggagag gcaaggaaag agagctttta attgaaaggt      240
taatttccta agaggaacct gggctgaatg actacagtgt tataccctcc aatcctttgca      300
ggtgggcacg gaacactgct tgtatcactc tgtgcacggg ataaatccat atatccacaa      360
aaacacacat ccatccatca acatatacat ggtttgggat gagcagggtca atagttttga      420
gagggagttt gttccttttt ttttctcatt atactcttaa attgttgtca gttatcaaac      480
aaacaaacag aaaaattggt tgggaaaaaac cttgcatacg ctttttctat cmagtgcatt      540
aaaatataga ctaaatatac acatcctgcc agttttttct tacagtgaac gtatccttac      600
ctgccattta atattagcct cgtatttttt tcacgtatat ttacctgtga cttgtatttg      660
ttatttaaac aggaaaaaaa acattcaaaa aaagaaaaat taactgtagc gcttcattat      720
actattatat tattattatt attgtgacat tttggaatac tgtgaagttt tatctcttgc      780
atatacttta tacggaagta ttacgcttta aaaatacgaa aataaatttt acaaggtttc      840
tgttttgtgt ggaagagtaa ttgatgttgc taagaatgat gtttggtttt ttgggggttt      900
tgttgttttt tttttaaatg ttaccagcac tttttttgta agtttcactt tccgagggtat      960
tgtacaagtt cacactgttt gtgaagtttg aatatgaagg aataattaaa aaaaaaaaaa     1020
aaaccncggg gggggggccc tcccattggg cccaaggggg cggttacggg gtcacggccc     1080

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```

<210> 223
<211> 1258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (1226)
<223> n equals a,t,g, or c

```

&lt;400&gt; 223

tgaattgagg	gcttaaagat	aaacatatgg	grttggagtt	gtgtgtccat	agggtttcac	60
tgccatattg	atttgagttt	atccctatta	attttttaca	gtgaaatttt	attaaagtat	120
aatgtacata	tatttttcagt	ggatttttgc	ctgaagggtc	tccagtgggtc	tgactacgag	180
atagtgcggc	ttcagctgtg	ggatattgca	gggcaggagc	gcttcacctc	tatgacacga	240
ttgtattatc	gggatgcctc	tgccctgtgt	attatgtttg	acgttaccaa	tgccactacc	300
ttcagcaaca	gccagagggtg	gaaacaggac	ctagacagca	agctcacact	acccaatgga	360
gagccgggtg	cctgcctgct	cttggccaac	aagtgtgatc	tgtccccttg	ggcagtgagc	420
cgggascaga	ttgaccgggt	cagtaaagag	aacggtttca	caggttggac	agaaacatca	480
gtcaaggaga	acaaaaatat	taatgaggct	atgagagtcc	tcattgaaaa	gatgatgaga	540
aattccacag	aagatatcat	gtctttgtcc	acccaagggg	actacatcaa	tctacaaacc	600
aagtctccca	gctgggtcctg	ctgctagtag	tgtttggytt	attttccatc	ccagttcttg	660
gaggtctttt	aagtctcttc	cctttgggtg	cccacctgac	mattttatta	agtacatttg	720
aattgtctcc	tgactactgt	ccagtaagga	ggcccattgt	cacttagaaa	agacacctgg	780
aaccakgtg	catttctgca	tctcctggat	tagcctttsa	catgttgctg	rtcacatta	840
gtgccagtta	gtgccttcgg	tgtaagatct	tctcatcagc	cctcaatttg	tgatccggaa	900
ttttgtgaga	aggatkagaa	atcagcacct	gcgtttttaga	gatcataatt	ctcacctact	960
tctgagctta	tttttccatt	tgatattcat	tgatatcatg	acttccaatt	gagaggaaaa	1020
tgagatcaaa	tgatcatttc	caaatttctt	gtaggccgtt	gtttcagatt	ctttctgtct	1080
tggaatgtaa	acatctgatt	ctggaatgca	gaaggagggg	tctgggcctc	tgtggatttt	1140
tggctactag	aagtgtccca	gaagtcactg	tatttttgaa	acttctaacg	tcataattaa	1200
gtttctcttg	tcttgggcat	caagantagt	tccaattttt	tgggccgggg	cagggtgg	1258

&lt;210&gt; 224

&lt;211&gt; 1693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 224

cacaatatat	gaaatagtac	cctctaataa	agagaaaaaa	aaaatcaggc	ggtcaaaactt	60
agagcaacat	tgtcttatta	aagcatagtt	tatttcacta	gaaaaaattt	aatatcaagg	120
actattacat	acttcattac	taggaaggtc	tttttaaaat	gacacttaaa	acaatcactg	180
aaaacttgat	ccacatcaca	ccctgtttat	tttcttaaaa	catcttgga	gcctaagctt	240
ctgagaatca	tgtggcaagt	gtgatgggca	gtaaaatacc	agagaagatg	tttagtagca	300
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ttgaattttt	gaacagccag	ttgaccaatc	atagaaagta	ttactttctt	tcatatgggt	480
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gaaaaaaaat	cattttatcc	gtcttttaag	tatatgttta	aaataataat	ttatgtgtct	660
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ttattttaatt	ttttaggtaa	tgcttatctc	ttgggtctatt	aaggaaagaa	gcaatcagta	900
gagaattcag	gatagttttg	tttaaatctt	tgagatttac	atgtttttac	agtggcctgc	960
tattgaggaa	aggtattctt	cyatacaact	tgtttttaac	tttgagaaca	ttgacagaaa	1020
ttatgcaatg	gtttgttgag	atacggaact	gatgggtgct	tttaatcagt	ttgcttccaa	1080
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attcctttct	taaacctacc	agcaaaactag	gattgtgata	gcaatgaatg	gtatgatgaa	1200
gaaagtttga	ccaaatttgt	ttttttgttg	ttgttggtgt	tttgaatttg	aaatcattct	1260
tattcccttt	aagaatgttt	atgtatgagt	gtgaagatgc	tagcgaacct	atgctcagat	1320
attcatcgta	agtctccctt	cacctgttac	agagtttcag	atcggtcact	gatagtatgt	1380
atttcttttag	taagaatgtg	ttaaaattac	aatgatcttt	taaaaagatg	atgcagttct	1440
gtattttattg	tgctgtgtct	ggtcctaagt	ggagccaatt	aaacaagttt	catatgtatt	1500
tttccagttg	tgaatctcac	acactgtact	ttgaaaaatt	ccttccatcc	tgaataacga	1560
atagaagagg	ccatacatat	tgcttcctta	tccttgagat	ttcactacct	ttatgttaaa	1620
agttgtgtat	aattgtttaa	atctgtgaaa	gaataaaaaa	tggattttaa	ttaaaaaaaa	1680

aaaaaaaaaa aaa

1693

<210> 225  
 <211> 1196  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (30)  
 <223> n equals a,t,g, or c

<400> 225  
 acgcgtgggt cgacccacgc gtccgcgacn tggcgtgggt gggaagggag aaggatttgt 60  
 aaaccccgga gcgaggttct gcttaccgga ggccgctgct gtgcggagac ccccggtga 120  
 agccaccgtc atcatgtctg accaggaggc aaaaccttca actgaggact tgggggataa 180  
 gaaggaaggt gaatatatta aactcaaagt cattggacag gatagcagtg agattcactt 240  
 caaagtgaaa atgacaacac atctcaagaa actcaaagaa tcatactgtc aaagacaggg 300  
 tgttccaatg aattcactca ggtttctctt tgagggtcag agaattgctg ataatacatac 360  
 tccaaaagaa ctgggaatgg aggaagaaga tgtgattgaa gtttatcagg aacaaacggg 420  
 gggtcattca acagtttaga tattcttttt attttttttc ttttccctca atcctttttt 480  
 attttttaaaa atagttcttt tgtaatgtgg tgttcaaaac ggaattgaaa actggcaccc 540  
 catctctttg aaacatctgg taatttgaat tctagtgtct attattcatt attgtttgtt 600  
 ttcattgtgc tgatttttgg tgatcaagcc tcagtcacct tcatattacc ctctcctttt 660  
 taaaaattac gtgtgcacag agaggtcacc tttttcagga cattgcattt tcaggcttgt 720  
 ggtgataaat aagatcgacc aatgcaagtg ttcataatga ctttccaatt ggccctgatg 780  
 ttctagcatg tgattacttc actcctggac tgtgactttc agtgggagat ggaagttttt 840  
 cagagaactg aactgtggaa aaatgacctt tccttaactt gaagctactt ttaaaaattg 900  
 aggtgtctga ccaaaagaag aggaatatca ggttgaagtc aagatgacag ataaggtgag 960  
 agtaatgact aactccaaag atggcttcac tgaagaaaag gcattttaag attttttaaa 1020  
 aatcttgtca gaagatccca gaaaagtctt aattttcatt agcaattaat aaagctatac 1080  
 atgcagaaat gaatacaaca gaacactgct ctttttgatt ttatttgtac tttttggcct 1140  
 gggatatggg ttttaaatgg acattgtctg taccagcttc attaaaataa acaata 1196

<210> 226  
 <211> 1791  
 <212> DNA  
 <213> Homo sapiens

<400> 226  
 tcagggaggt ggcaggaaag gcttggaaaca gctgccggag tgacggagcg gcggccccgc 60  
 ccggttgccg tggaggtcga agcttccagg tagcggcccc cagagcctga cccaggctct 120  
 ggacatcctg agcccaagtc cccacactc agtgacagtga tgagtgcgga agtgaagggtg 180  
 acagggcaga accaggagca atttctgtct ctagccaagt cggccaaggg ggcagcgtg 240  
 gccacactca tccatcaggt gctggaggcc cctgggtgtct acgtgtttgg agaactgctg 300  
 gacatgcccc atgttagaga gctggctgag agtgactttg cctctacctt ccggctgctc 360  
 acagtgtttg cttatgggac atacgctgac tacttagctg aagcccgga tcttctcca 420  
 ctaacagagg ctcagaagaa taagcttcca cactctcag ttgtcacctt ggctgctaaa 480  
 gtaaagtgtg tcccatatgc agtgttgctg gaggtcttgc cctgcgtaat gtgcggcagc 540  
 tggaagacct tgtgattgag gctgtgtatg ctgacgtgct tcgtggctcc ctggaccagc 600  
 gcaaccagcg gctcgaggtt gactacagca tcgggcggga catccagcgc caggacctca 660  
 gtgccattgc ccgaaccctg caggaatggt gtgtgggctg traggtcgtg ctgtcaggca 720  
 ttgaggagca ggtgagccgt gccaaccaac acaaggagca gcagctgggc ctgaagcagc 780  
 agattgagag tgaggttgcc aaccttaaaa aaaccattaa agttacgacg gcagcagcag 840  
 ccgcagccac atctcaggac cctgagcaac acctgactga gctgagggaa ccagctcctg 900  
 gcaccaacca gcgccascca gcaagaaagc ctcaaagggc aaggggctcc gagggagcgc 960

caagatttgg	tccaagtcga	attgaaagra	ctgtcgtttc	ctccctgggg	atgtgggggc	1020
ccagctgcct	gcctgcctct	taggagtcct	cagagagcct	tctgtgcccc	tggccagctg	1080
ataatcctag	gttcatgacc	cttcacctcc	cctaacccca	aacatagatc	acaccttctc	1140
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&lt;211&gt; 2517

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 227

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<210> 228  
 <211> 2424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (2366)  
 <223> n equals a,t,g, or c

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<211> 1080
<212> DNA
<213> Homo sapiens
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<210> 230
<211> 1336
<212> DNA
<213> Homo sapiens
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 <211> 2043  
 <212> DNA  
 <213> Homo sapiens

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 <222> (901)  
 <223> n equals a,t,g, or c

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ggg

2043

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 <211> 629  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (624)  
 <223> n equals a,t,g, or c

<400> 232  
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 gggggcccgct acccaatcgc cctntcgtg 629

<210> 233  
 <211> 540  
 <212> DNA  
 <213> Homo sapiens

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<210> 234  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

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 ctgctaagtgt ttgctgaccc aggaacaa 448

<210> 235  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 235  
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<210> 236  
 <211> 830  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (92)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (543)  
 <223> n equals a,t,g, or c

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<210> 237  
 <211> 932  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (256)  
 <223> n equals a,t,g, or c

090227 1 054304  
 1001090 1 220000

<220>  
 <221> SITE  
 <222> (599)  
 <223> n equals a,t,g, or c

<400> 237  
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 ctacggaaaac aaaagagggtg aaagagaccc tttttttata cttaatgtac atatatgtac 180  
 tttttgagca agaatgccag aaatagcctt catttctacc ctgcaaaaata atccagatct 240  
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 tcctgaattg gargaggaag racttctgtt tacagaaaac ygtattgtta tatatgtcag 360  
 gctgtgtatt gtgactatca gcatttctgtt gcaaatgaac ttttctccat catcgactgt 420  
 ggaaaattga tactttttaa gcatattctt ctatgagcac aggtcctcct agtgaaaactt 480  
 aatttgacaa aggggtgcat atgctttcct aacctgawtt gtattaacat tcacagagcc 540  
 tacatttttct cattagggtt rtgatgctca gtatctttcc aagtgccagg cagrgcttnc 600  
 cttttctgat caaacataacc attttttgta tttcacaact atagacagtc acttctgcag 660  
 tcccaattta aaaatgcaga actgctttat ccaagaatgc tgaaaaatac tgttctatcc 720  
 aggtttccta aactataaaa gcagattttg cttctgtttg ttaatcatag gcatggccga 780  
 gcattgtgga ttagcctgag gcttaaaatc agatgcatgt ctggtaagat gaccactgtc 840  
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 cccacgtttc taatttggag caaatctaaa ag 932

<210> 238  
 <211> 2786  
 <212> DNA  
 <213> Homo sapiens

<400> 238  
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 tcagtcccc tcccaaccct ccatatggct ctcaatgggtg ctcaattgct tggaagcagg 180  
 ctcccaatag ggaggggso tgcctctaca gtctctttga ctgtaagaca gggctctgta 240  
 tcagtgcagc gatgagaaaa gtcccaggct aatggcagaa atttgcactt tgaacatgtg 300  
 tgtttttggtg ttgtggaacc tgagattcct tattttattaa caggaagtct gatttttttt 360  
 ttttgagtc tttgttgcta ttttttggtg ggctgggaga gagagattag attatttttga 420  
 catgggatcc ctcccataac aggtactttg aaggcaagac atagggttga agaagcacia 480  
 ccagcctctg aaatcatagc tctccagtgg ctttttaaaga aagctgggtc tcagcactaa 540  
 caaaatcact acaatagcct agtgcttttt tggaagcctt tttagggaag aatgttaggt 600  
 tcattgtaac tagtatgctc tttgagattt ttacagtgtt gaaacttaag aattttgaga 660  
 ggtgaggag ggttggttcag aatctaaatt acagatagat gattgtttct tgtgaatttg 720  
 tttcttttcc tttttttttg tccctaccat ttccttacat ttccttggg gccatctct 780  
 ggctccttgc tttttgtttc ttgctttgct ttatcagttc attccagctc cctgttagtg 840  
 aaggacactg ctgttagtgga aggaacaaaag tctatgagtc ctaaaaatttt aagtcaaaga 900  
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 ttaataatcc tatataataa ttgcttttggc tttcacctaa aattctgggc atcacaattt 1020  
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 aaaaaaaaaa agaacagttt gtgttttcaca aacatggctt atcaattttt tcaaagaatt 1320  
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 ctcaaatgcy ctattgtttc ttttcagagt gttgcagatt tgccattttc ccataatatg 1500  
 gggatagaaa atggaataaa gatagaaggg atgtagaata tgctttcctg ccaacatggt 1560  
 ttggagtoga ctttgggtata ttgactagat ttgaaaatac aagattgatt agatgaatct 1620

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gagtgtacta	ccaatctaac	taagattatt	atagtctggt	tgtttgaaat	accatttttt	2520
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cttctccttt	catgggagag	acaggtagtt	acctgaatat	agggtgaaaa	ggttatgtaa	2700
aaagaaatta	taataaaaag	gatactttgc	ttttcaaata	tttgttttct	cttattctag	2760
gtaaggcata	ttaaaaataa	atatgt				2786

&lt;210&gt; 239

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 239

gggtgcagga	attcggcacg	agagaatggt	tgattttctt	tcctatttta	aggatcttct	60
ctcttggtga	tggtgaaaac	ttaccttagt	gaagatgtgt	ttcaacatgc	tgttgtcctt	120
tacctgcata	atcacagcta	tgcatctatt	caaagtgatg	atctgtggga	tagttttaat	180
gaggtcacia	accaaact	agatgtaaag	agaatgatga	aaacctggac	cctgcagaaa	240
ggatttctct	tagtgactgt	tcaaaagaaa	ggaaaggaac	tttttataca	acaagagaga	300
ttctttttta	atatgaagcc	tgaaattcag	ccttcagata	caaggtagat	gccctcttct	360
ttttcatgcc	atctcttttg	cactctcagg	tggaaatatt	tttaagtgtt	ttataatcat	420
aagttcttgt	gaaacctaac	aagattatcc	cttccctaa			458

&lt;210&gt; 240

&lt;211&gt; 591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 240

aggatgaaga	ggaaattatc	tcttggttg	ctctccagga	aatccttctc	tatactttta	60
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aaatacatct	gcagctgaca	atgagagarg	aaacagaaaa	tgtcatgtga	tgtctctccc	240

caaagtcata	atgggttttg	gatttgtttt	gaatatattt	tctttttttt	ttktccctcc	300
tttatgagcc	tttgggacat	tggaataacc	cagccaactc	tccaccatca	atgtaactcc	360
atggacattg	ctgctcttgg	tggtgtttat	taatttttgt	gatagggaaa	caaatctctt	420
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gtaacagtga	ataatttgta	aagttcgtat	ttcccaacct	ctttgggaat	t	591

<210> 241  
 <211> 2449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1375)  
 <223> n equals a,t,g, or c

<400> 241						
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gtgggggagg	ggaaccctgg	cgcactcagg	acgccacggg	aggaagccac	gcaaaatagc	180
aaaccgggat	cctagagggg	cggggcccac	ctcagcgcg	aggcgcaacc	aggcccaggt	240
ggcgcgcgcg	gaagcgaacc	acctatacgc	gccgcgcgcg	ttgggtctcc	tgcgcatgcg	300
cagacascctg	cgctggaggc	ttcatctttg	ccgcgcgtgc	cgtcgccttc	ctgggattgg	360
agtctcgagc	tttcttcggt	cgttcgycgg	cggttctgcg	cccttctcgc	gcctcggggc	420
tgcgaggctg	gggaaggggt	tggagggggc	tggtgatcgc	cgcgtttaag	ttgcgctcgg	480
ggcgcccatg	tgcggcggcg	aggctcgagc	cctagtgtcg	gagctgagcg	gcgggaccgg	540
aggggatgag	gaggaagagt	ggctctatgg	cgatgaaaat	gaagttgaaa	ggccagaaga	600
agaaaaatgcc	agtgtcaatc	ctccatcttg	aattgaagat	gaaactgctg	aaaatgggtg	660
accaaaaaccg	aaagtgcactg	agaccgaaga	tgatagtgtat	agtgacagcg	atgatgatga	720
agatgatgtt	catgtcacta	taggagacat	taaaacggga	gcaccacagt	atgggagtta	780
tggtacagca	cctgtaaaatc	ttaacatcaa	gacaggggga	agagtttatg	gaactacagg	840
gacaaaaagtc	aaaggagtag	accttgatgc	acctggaagc	attaatggag	ttccactctt	900
agaggtagat	ttggattctt	ttgaagataa	accatggcgt	aaacctgggt	ctgatctttc	960
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ttctcagttc	cagacaagta	ctgcctccag	aaaagccatt	tcaagcgttg	gggaagtggg	1260
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gttatcggtc	agactatwac	yatcagccga	gtagaaggca	ggcgacgggc	aaatnagaac	1380
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ccacctccgt	ttttccctcc	aggagctcct	ccactcacc	ttccacctcc	tccatttctt	1500
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cgacatagag	aaagacgcga	cagggagaaa	gaggaaacca	gacataagtc	ttctcgaagt	2040
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aaatctaaaa	gaagcaaaaga	aggaaaagaa	gcgggcagtg	agcctgcccc	tgaacaggag	2160
agcaccgaag	ctacacctgc	agaataggca	tggttttggc	cttttgtgta	tattagtacc	2220
agaagtagat	actataaaatc	ttgttatatt	tctggataat	gtttaagaaa	tttaccttaa	2280
atcttgttct	gtttgttagt	atgaaaagtt	aacttttttt	ccaaaataaa	agagtgaatt	2340

tttcatgtta agttaaaaaat ctttgtcttg tactatttca aaaataaaaaa gacagcaatg 2400  
acttttatatc caaaaaaaaaa aaaaaaaaaaa aaaaaaaaaa agggcggcc 2449

<210> 242  
<211> 1286  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (555)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1245)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1269)  
<223> n equals a,t,g, or c

<400> 242  
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gagattacct ggggcaattg atgttatcgg tcagactata actatcagcc gagtagaagg 180  
caggcgacgg gcaaatgaga acagcaacat acaggtcctt tctgaaagat ctgctactga 240  
agtagacaac aattttagca aaccacctcc gtttttccct ccaggagctc ctcccactca 300  
ccttccacct cctccatttc ttccacctcc tccgactgtc agcactgtc cacctctgat 360  
tccaccaccg ggttttcttc ctccaccagg cgctccacct ccatctctta taccaacaat 420  
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tgcatggaag aacgatacag atacagggaa tatgcagaaa gaggttatga gcgtcacaga 540  
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agacataagt cttctcgaag taatagtaga cgtcgccatg aaagtgaaga aggagatagt 660  
cacaggagac acaaacacaa aaaatctaaa agaagcaaa aaggaaaaga agcgggcagt 720  
gagcctgccc ctgaacagga gagcaccgaa gctacacctg cagaataggc atgggttttg 780  
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cagggaatct aaagagctgt gtttagctgtg tacatacaca gattatctga gaaaaggcca 1080  
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ggttttcenc accttttttg ttgggc 1286

<210> 243  
<211> 734  
<212> DNA  
<213> Homo sapiens

<400> 243  
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ctgctgccga agctgattcc ctccggtgca ggccgggagt ggctggagcg gcgccgcgcg 120  
accatccggc cctggagcac cttcgtggac cagcagcgct tctcacggcc ccgcaacctg 180

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gctgtctttt	tcggcgcc	ttacattct	ctatctgcgc	accttgag	ccaagcttgt	360
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aaaaaaaaa	aaaa					734

<210> 244  
 <211> 809  
 <212> DNA  
 <213> Homo sapiens

<400> 244						
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tgccgaagct	gattccctcc	ggtgcaggcc	gggagtggct	ggagcggcgc	cgcgcgacca	180
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aaaaaaaaa	aaaaaaaaa	aaaaaaaaa				809

<210> 245  
 <211> 2201  
 <212> DNA  
 <213> Homo sapiens

<400> 245						
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ttcagcccg	tcctgtcccc	gacatcacgt	gtattccgca	cgtccctcc	gcgctgtgtg	180
tctactgaga	cggggaggcg	tgacagggcc	cgggtccctt	ctcagtgggtg	ctctgtgctt	240
cagggcaagc	tcccgtctc	cgggcgcact	tccttcgcct	gtgttcgggtc	catcctcctt	300
tctccagcct	cctccctctg	caggcggtatg	amccggacga	cgggccagtg	cctggcaccc	360
cggggttgcc	arggtccamg	gggaaccgga	agtcggagga	gcccgarctc	ccgaaccagg	420
argggctgca	gcgcaccamc	ggcctgtctc	ccggccgttc	ggctctcata	gtggcggtgc	480
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acatcgagca	gttcttcaac	atcggggaga	gtagctctgg	gctcatccag	accgtgttca	600
tctccagtta	catgggtgtg	gcacctgtgt	ttggctacct	gggtgacagg	tacaatcgga	660
agtatctcat	gtgcgggggg	attgccttct	ggtccctggt	gacactgggg	tcaccttca	720
tccccggaga	gcatttctgg	ctgctcctcc	tgaccggggg	cctgggtggg	gtcggggagg	780
ccagttattc	caccatcgcg	cccactctca	ttgcgcacct	ctttgtggcc	gaccagcgga	840
ccggatgctc	agcatcttct	actttgccat	tccgggtggg	agtggctctg	gctacattgc	900
aggctccaaa	gtgaaggata	tggctggaga	ctggcactgg	gctctgagg	tgacaccggg	960
tctaggagtg	gtggccgttc	tgtgtgtgtt	cctggtagtg	cgggagccgc	caaggggagc	1020
cgtggagcgc	cactcagatt	tgccacccct	gaacccacc	tcgtgggtggg	cagatctgag	1080

ggctctggca	agaaatccta	gtttcgtcct	gtcttccctg	ggcttcaactg	ctgtggcctt	1140
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tggggagacc	ccaccctgcc	ttcccggaga	ctcctgctct	tcccttgaca	gtctcatctt	1260
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ccggctccgc	cactccaacc	cccgggctga	tcccctggtc	tgtgccactg	gcctcctggg	1380
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<210> 246  
 <211> 1661  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1200)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1536)  
 <223> n equals a,t,g, or c

<400> 246						
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<210> 247
<211> 1146
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (214)
<223> n equals a,t,g, or c

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<222> (268)
<223> n equals a,t,g, or c

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caattg 1146

```

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<210> 248
<211> 1350
<212> DNA
<213> Homo sapiens

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<220>

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<220>  
<221> SITE  
<222> (1349)  
<223> n equals a,t,g, or c
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<210> 249
<211> 2503
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (2193)
<223> n equals a,t,g, or c
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<400> 249							
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gctgttcag	agcatcatag	tcctcgtgat	tgtggtcatic	tgctctatgt	tatacgcctc		300
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&lt;211&gt; 1529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

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<210> 251  
 <211> 1537  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1516)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1532)  
 <223> n equals a,t,g, or c

<400> 251						
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 aaaaaaaaaa aaaaaaaatt tgggtg 506

<210> 253  
 <211> 1348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> n equals a,t,g, or c

<400> 253  
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<210> 254  
 <211> 1766  
 <212> DNA  
 <213> Homo sapiens

<400> 254

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&lt;210&gt; 255

&lt;211&gt; 2664

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2623)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2640)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2652)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2662)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 255

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&lt;210&gt; 256

&lt;211&gt; 865

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 256

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 <212> DNA  
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (28)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (37)  
 <223> n equals a,t,g, or c

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<210> 258  
 <211> 1482  
 <212> DNA  
 <213> Homo sapiens

<400> 258						
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<210> 259  
 <211> 834  
 <212> DNA  
 <213> Homo sapiens

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<211> 2514
<212> DNA
<213> Homo sapiens
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&lt;210&gt; 262

&lt;211&gt; 2357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (686)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 262

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<210> 263  
 <211> 689  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (644)  
 <223> n equals a,t,g, or c

<400> 263						
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<210> 264  
 <211> 2377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (566)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (588)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (902)  
 <223> n equals a,t,g, or c

<400> 264

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<210> 265  
 <211> 1193  
 <212> DNA  
 <213> Homo sapiens

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 <222> (5)  
 <223> n equals a,t,g, or c

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<210> 266  
 <211> 1262  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1203)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1242)  
 <223> n equals a,t,g, or c

<400> 266						
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<210> 267
<211> 1179
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (69)
<223> n equals a,t,g, or c

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gagagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagagc 1179

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<210> 268  
 <211> 1162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (18)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (69)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1151)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1154)  
 <223> n equals a,t,g, or c

<400> 268  
 ggcaaaacttt cccccaangc ttcgaaactt gcaagccgaa accttgaatc gttaaaagtt 60  
 ggggttgcgnc ggcgccctgg cccgaagaag cgcaattggc gttccgcgaa cgttggccct 120  
 caacggctcg gcagccagcc atgtcctgca cccaggacag cggccctggg ctacaaggac 180  
 ctggacctca tcttctcgcg ccgacctgcg cggggaaggg gagtttcaga ctgtgaagga 240  
 cgctcgtgctg gactgcctgt tggacttctt acccgagggg gtgaacaaag agaagatcac 300  
 accactcaccg ctcaaggaag cttatgtgca gaaaatggtt aaagtgtgca atgactctga 360  
 ccgatggagt cttatatccc tgtcaaacia cagtggcaaa aatgtggaac tgaaatttgt 420  
 ggattccctc cggaggcagt ttgaattcag ttagatttct tttcaaatca aattagactc 480  
 tcttctgctc ttttatgaat gttcagagaa cccaatgact gagacatttc accccacaat 540  
 aatcgggggag agcgtctatg gcgatttcca ggaagccttt gatcaccttt gtaacaagat 600  
 cattgccacc aggaacccag aggaatccg agggggaggg ctgcttaagt actgcaacct 660  
 cttggtgagg ggcttttaggc ccgcctctga tgaaatcaag acccttcaaa ggtatatgtg 720  
 ttccaggttt ttcacgcact tctcagacat tggagagcag cagagaaaac tggagtccta 780  
 ttgcagaac cactttgtgg gattggaaga ccgcaagtat gagtatctca tgacccttca 840  
 tggagtggtg aatgagagca cagtgtgcct gatgggacat gaaagaagac agactttaaa 900  
 ccttatcacc atgctggcta tccgggtgtt agctgaccaa aatgtcattc ctaatgtggc 960  
 taatgtcact tgctattacc agccagcccc ctatgtagca gatgccaaact ttagcaatta 1020  
 ctacattgca caggttcagc cagtattcac gtgccagcaa cagacctact ccacttggct 1080  
 accctgcaat taagaatcat ttaaaaatgt cctgtgggga agccatttca gacaagacag 1140  
 gagagaaaaa naangaaaag ag 1162

<210> 269  
 <211> 735  
 <212> DNA  
 <213> Homo sapiens

<400> 269  
 cgggctgggt atttgctcg caccatggcg cccaagggca aagtgggcac gagaggggaag 60  
 aagcagatat ttgaagagaa cagagagact ctgaagtctt acctgcggat catactgggg 120

gccaatgcc	tttactgct	tgtgacgtt	gtcttcttt	actcatctg	ctcattttg	180
gcctgggtg	cottgggct	tagtctggc	gtgtatggg	ccagctacca	ctctatgag	240
tcgatggac	gagcagcgt	cttctgagga	tggggccct	atggatggg	gcacgagct	300
aacatggag	agggcatgg	agagcacct	aaggatgtg	tcctactgac	agccatcgt	360
caggtgctc	gctgcttct	tctctatgt	tggctctct	ggcttctgg	tccaggccg	420
gccccttacc	tcctgtggg	gaatgtgct	ggcccctgg	tcactgcaga	cagtggcacc	480
ccagcaccag	agcacaatg	gaaacggcg	cgccgacagg	agcggcgga	gatgaagcg	540
ttatagccat	tgacattgt	gccacaggc	actggccct	gggggctct	tcagggtgca	600
cagccccca	tgccctggg	aatgagggc	tagtccagg	gcaaaaagc	gtctgaggt	660
ttgggtatac	ttatactct	tagggctgt	gaataaatg	cttagaatgt	gaaaaaaaa	720
aaaaaaaaa	atttt					735

<210> 270  
 <211> 783  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (654)  
 <223> n equals a,t,g, or c

<400> 270						
aagtgcata	gctgcgatg	tgggtgcttag	tgattgcgg	ttcggctgct	ctcccgtgtt	60
tcccggttg	ggtatttgc	tcgcaccatg	gcgccaagg	gcaaagtgg	cacgagagg	120
aagaagcaga	tatttgaaga	gaacagagag	actctgaagt	tctacctgc	gatcatactg	180
ggggccaatg	ccatttactg	cottgtgacg	ttggctctct	tttactcatc	tgccctattt	240
tgggcctgg	tgccctggg	tttagtctgg	cagtgtatgg	ggccagctac	cactctatga	300
gctcgatgg	acgagcagc	ttctctgagg	atggggccct	gatggatgg	ggcatggacc	360
tcaacatgga	gcagggcatg	gcagagttag	tgtccccac	cgccagcca	ggcaccctaa	420
ggatgtgatc	ctactgacag	ccatcgtgca	gggtgctcag	tgcttctctc	tctatgtctg	480
gtccttcttg	cttctggctc	caggccgggc	cctttacctc	ctgtgggtga	atgtgctggg	540
cccctgggtc	actgcagaca	gtggcacccc	agcaccagag	cacaatgaga	aacggcagcg	600
ccgacaggag	cggcggcaga	tgaagcggtt	atagccattg	acgatttkgc	sacnrgccac	660
tggccctggg	tggctctgtc	aggggtgcaca	gcccctcatg	cctggagcaa	tgaggggtcta	720
gtccaggggc	caaaagcagt	ctgaggtatt	gggtatactt	atactctata	gggtcgttga	780
ata						783

<210> 271  
 <211> 1638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (51)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (92)  
 <223> n equals a,t,g, or c

<400> 271						
ggcacgaggc	ggcggcagcg	gtggcgggcg	cgcccccccg	cgggagccgt	nccctttccc	60
gtcgggggagc	gcgggggycg	ggyccagggg	ancccgggmc	acgggagagcg	ggaagaggat	120

ggattgcccc	gccctccccc	cgggatggaa	gaaggaggaa	gtgatccgaa	aatctgggct	180
aagtgcctggc	aagagcgatg	tctactactt	cagtccaagt	ggtaagaagt	tcagaagcaa	240
gcctcagttg	gcaaggatcc	tgggaaatac	tggtgatctc	agcagttttg	acttcagaac	300
tggaaagatg	atgcctagta	aattacagaa	gaacaaacag	agactgcgaa	acgatcctct	360
caatcaaaa	aagggtaaac	cagacttgaa	tacaacattg	ccaattagac	aaacagcatc	420
aattttcaaa	caaccggtaa	ccaaagtcac	aaatcatcct	agtaataaaag	tgaaatcaga	480
cccacaacga	atgaatgaac	agccacgtca	gctttttctg	gagaagaggc	tacaaggact	540
tagtgcacat	gatgtaacag	aacaaattat	aaaaaccatg	gaactaccca	aagggtcttca	600
aggagtgtgt	ccaggtagca	atgatgagac	ccttttatct	gctgttgcca	gtgctttgca	660
cacaagctct	gcgccaatca	cagggcaagt	ctccgctgct	gtggaaaaga	accctgctgt	720
ttggcttaac	acatctcaac	ccctctgcaa	agctttttatt	gtcacagatg	aagacatcag	780
gaaacaggaa	gagcgagtac	agcaagtacg	caagaaattg	gaagaagcac	tgatggcaga	840
catcttgtcg	cgagctgctg	atacagaaga	gatggatatt	gaaatggaca	gtggagatga	900
agcctaagaa	tatgatcagg	taacttttoga	ccgactttcc	ccaagagaaa	attcctagaa	960
attgaacaaa	aatggtttcca	ctggcttttg	cctgtaagaa	aaaaaatgta	cccgagcaca	1020
tagagctttt	taatagcact	aaccaatgoc	tttttagatg	tatttttgat	gtatatatct	1080
attattcaaa	aaatcatggt	tattttgagt	cctaggactt	aaaattagtc	ttttgtaata	1140
tcaagcagga	ccctaagatg	aagctgagct	tttgatgcca	ggtgcaatct	actggaaatg	1200
tagcacttac	gtaaaacatt	tgtttccccc	acagttttta	taagaacaga	tcaggaattc	1260
taaataaaat	tcccagttaa	agattattgt	gacttcactg	tatataaaca	tattttttata	1320
ctttattgaa	agggggacacc	tgtacattct	tccatcrtca	ctgtaaagac	aaataaatga	1380
ttatattcac	agactgattg	gaattctttc	tggtgaaaag	cacacacaat	aaagaacccc	1440
tcgttagcct	tcctctgatt	tacattcaac	tctgatcccg	gggccttagg	tttgacatgg	1500
gaggtgggag	gaagatagcg	catatatattg	cagtatgaac	tattgcctct	gggacgttgt	1560
gaggaattgt	gctttcacca	gaattttctaa	ggattttctgg	cttaaatatc	acctagcctg	1620
tggtaatctt	ttttccct					1638

&lt;210&gt; 272

&lt;211&gt; 1455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 272

cgtgcgtact	gccatgcagg	taccgggtcc	ggaattccca	gggtcgaccc	acgcgtccgc	60
tcagttggca	aggtaacctg	gaaatactgt	tgatctcagc	agttttgact	tcagaactgg	120
aaagatgatg	cctagtaaat	tacagaagaa	caaacagaga	ctgcgaaacg	atcctctcaa	180
tcaaaaataag	ggtaaaccag	acttgaatac	aacattgcca	attagacaaa	cagcatcaat	240
tttcaaacaa	ccggtaacca	aagtcacaaa	tcatectagt	aataaagtga	aatcagaccc	300
acaacgaatg	aatgaacagc	cacgtcagct	tttctgggag	aagaggctac	aaggacttag	360
tgcatcagat	gtaacagaac	aaattataaa	aaccatggaa	ctacccaaag	gtcttcaagg	420
agttgggtcca	ggtagcaatg	atgagacctt	tttatctgct	gttgccagtg	ccttgcacac	480
aagctctgcy	ccaatcacag	ggcaagtctc	cgctgctgtg	gaaaagaacc	ctgctgtttg	540
gcttaacaca	tctcaacccc	tctgcaaagc	ttttattgtc	acagatgaag	acatcaggaa	600
acaggaagag	cgagtacagc	aagtacgcaa	gaaattggaa	gaagcactga	tggcagacat	660
cttgctcgca	gctgctgata	cagaagagat	ggatattgaa	atggacagtg	gagatgaagc	720
ctaagaatat	gatcaggtaa	ctttcgaccg	actttcccca	agagaaaatt	cctagaaatt	780
gaacaaaaat	gtttccactg	gctttttgct	gtaagaaaaa	aaatgtaccc	gagcacatag	840
agcttttttaa	tagcactaac	caatgccttt	ttagatgtat	ttttgatgta	tatatctatt	900
attcaaaaaa	tcattgtttat	tttgagtcct	aggacttaaa	attagtcttt	tgtaatatca	960
agcaggaccc	taagatgaag	ctgagctttt	gatgccaggt	gcaatctact	ggaaatgtag	1020
cacttacgta	aaacatttgt	ttccccaca	gttttaataa	gaacagatca	ggaattctaa	1080
ataaattttcc	cagttaaaga	ttattgtgac	ttcactgtat	ataaacatat	ttttatactt	1140
tattgaaagg	ggacacctgt	acattcttcc	atcrtcactg	taaagacaaa	taaatgatta	1200
tattcacaga	ctgattggaa	ttctttctgt	tgaaaagcac	acacaataaa	gaacccctcg	1260
ttagccttcc	tctgattttac	attcaactct	gatcccgggg	ccttaggttt	gacatgggag	1320
gtgggaggaa	gatagcgcat	atattttgcag	tatgaactat	tgctctggg	acgttgtgag	1380
gaattgtgct	ttcaccagaa	tttctaagga	tttctggctt	aaatatcacc	tagcctgtgg	1440

taattttttt tocct

1455

<210> 273  
 <211> 1086  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> SITE  
 <222> (1073)  
 <223> n equals a,t,g, or c

<400> 273  
 cgccctgcagt accgggtccgg aattcccggg tcgacccacg cgtcgcctgac ccaggagaag 60  
 ctgcctgtct acatcagcct gggctgcagc gcgctgccgc cgcggggccg gcagctgaac 120  
 tatgtgctct tcagggcggg caccgtgttg cattcatctt tgtaccccca gcatctagca 180  
 gtgtttggcat gtagtaggca ctcaagaaat gtgtgttgaa tgaacgatgc ctgtgacaag 240  
 caagcggact ttattctttc ctgacccttg ctccctatgac acacctcttc ctgactgcca 300  
 ctgtcactcc ttcagagcag aactcctcta gggaacctgg atgggaaaca gccatggcca 360  
 aggacatcct ggggtgaagca gggctacact ttgatgaact gaacaagctg aggggtgttg 420  
 acccagaggt taccagcag accatagagc tgaaggaga gtgcaaagac tttgtggaca 480  
 aaattggcca gtttcagaaa atagtgttg gttaattga gcttggtgat caacttgcaa 540  
 aagaagcaga aaatgaaaag atgaaggcca tcggtgctcg gaacttgctc aaatctatag 600  
 caaagcagag agaagctcaa cagcagcaac ttcaagccct aatagcagaa aagaaaatgc 660  
 agctagaaaag gtatcgggtt gaatatgaag ctttgtgtaa agtagaagca gaacaaaatg 720  
 aattttattga ccaattttatt tttcagaaat gaactgaaaa tttcgctttt atagtaggaa 780  
 ggcaaaaacaa aaaaaagcct ctcaaaacca aaaaaacctc tgtagcattc cagcggcttg 840  
 accaatgacc tatgtcacia gaggtggcgt gtaaggaaatg cagccccctg aagacagcac 900  
 tacaagtctg ggggagccag ttttaacatc agtgcacagc tgctgctggg ggcctgcag 960  
 tgtacgttct cacctcttat gcttagttgg aactaagcag tttgtaaact ttcactcttt 1020  
 tttttgtaaa ttcacaaaagc tttggaagga gargcaataa atttttgktt tcnaaatggc 1080  
 ttgatg 1086

<210> 274  
 <211> 1003  
 <212> DNA  
 <213> Homo sapiens

<400> 274  
 ggccacgggag cagccgggct ggtcctgctg cgagccggcg gcccgaggag gggcggcgga 60  
 gcaaacatga acgttggagt tgcccacagt gaagtgaatc caaatacccc tgtcatgaac 120  
 agccggggta tgtggctgac atatgcattg ggagttggct tgcttcatat tgtcttactc 180  
 agcattccct tcttcagtgt tcctgttgct tggactttta caaatattat acataatctg 240  
 gggatgtacg tatttttgca tgcagtgaat ggaaacacct tcgaaactcc tgaccagggt 300  
 aaaagcaagg ctccctaactc attgggaaca actggactat ggagtacagt ttacatcttc 360  
 acggaagttt ttcacaattt ctccaataat tctatatatt ctggcaagtt tctatacgaa 420  
 gtatgatcca actcacttca tctaaaacac agcttctctc ctgagtgtac taattcccaa 480  
 aatgccacaa ctacatgggt ttcggatctt tggaattaat aagtattgaa atgttttgaa 540  
 actgaaaaaa aattttacag ctactgaatt tcttataagg aaggagtggt tagtaaaactg 600  
 cactgtttct ctgataatgt gaaatgagaa gtattttacat tggaggggcca atggctggctc 660  
 cttcaagtgc tgttttgaag tgcagatttc cattaaatga tgctctggtt taatacacct 720  
 ggtacatttc tgaagagggg ctttataagc aggtggggca ggcccagctt ataagttaaa 780  
 gggcatcaca gtgagggtgt agtagataaa ttcaaggaaa taagagattt gtaagaaact 840  
 aggaccagct taacttataa tgaatgggca ttgtgttaag aaaagaacat ttocagtcac 900  
 tcagctgtgg ttattttaaag cagacttaca tgtaaacccg aatcctctct atacaagttt 960  
 attaaagatt atttttatta ccgtaaaaaa aaaaaaaaaa aaa 1003

05332171 061301

<210> 275  
 <211> 1234  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1219)  
 <223> n equals a,t,g, or c

<400> 275

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gaaaaaataa	tctcgcaac	acaggtacct	tgatcatgtca	gaattggggg	tgtaggttg	120
ccagttgtat	cagtgttgat	tcatttcatt	acttcctaca	gagcaaacat	gaacgttgga	180
gttgccaca	gtgaagtga	tccaaatacc	cgtgtcatga	acagccgggg	tatgtggctg	240
acatatgcat	tgaggattgg	cttgcttcat	attgtcttac	tcagcattcc	cttcttcagt	300
gttcctgttg	cttggacttt	aacaaatatt	atacataatc	tggggatgta	cgtatttttg	360
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tctccaataa	ttctatat	tctggcaagt	ttctatacga	agtatgatcc	aactcacttc	540
atcctaaaca	cagcttctct	cctgagtgtg	ctaattccca	aaatgccaca	actacatggt	600
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gctttataag	cargctgggc	aggcccagct	tataagttaa	agggcatcac	agtgaggggtg	900
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atgaatgggc	attgtgttaa	gaaaagaaca	tttccagtca	ttcagctgtg	gttattttaaa	1020
gcagacttac	atgtaaaccg	gaatcctctc	tatacaagtt	tattaaagat	tattttttatt	1080
accrtacata	tttckcttgt	tttatgtaag	yggatgtata	tcctcttgtt	ttataacaagc	1140
cagttcccac	ttatgagggt	acttttttgg	ttttgctggg	cttaaatattg	tgtattggtc	1200
aatgaggcca	tttttacct	tattaacggt	acag			1234

<210> 276  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> n equals a,t,g, or c

<400> 276

ngaggtgcgt	tctgagccgt	ctgtcctgcg	ccaagatgct	tcaaagtatt	attaaaaaca	60
tatggatccc	catgaagccc	tactacacca	aagttttacca	ggagatttgg	ataggaatgg	120
ggctgatggg	cttcaatcgt	tataaaatcc	gggctgctga	taaaagaagt	aaggctttga	180
aagcttcagc	gcctgctcct	ggatcatcact	aaccagattt	acttgagta	catgtgaaag	240
aaaacgtcag	tctgcctgta	aatttcagca	agccgtgtta	gatggggagc	gtggaacgtc	300
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cactgctacc	tggtactgct	ttcagtggtg	tcctccctcag	ccctccggcg	tgtaggcac	420
actctgagta	gataatttgt	catgcagcgc	atgcaatcag	aatctcactg	agccacccat	480
cattgtgaaa	taattacctc	agttgtacag	gacttggtga	tcaggatcca	ggcactcact	540
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<210> 277  
 <211> 1731  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (492)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1676)  
 <223> n equals a,t,g, or c

<400> 277

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cttcaagcac	tgtgtttttc	tgctgtgata	tgaggaaaag	gttcagacca	gccatcaagt	120
attttgggga	tattatttagc	gtgggacaga	gattgttgca	aggggcccgg	atttttaggaa	180
ttcctgttat	tgtaacagaa	caatacccta	aaggctcttg	gagcacgggt	caagaaattg	240
atttaacagg	tgtaaaaactg	gtacttccaa	agaccaagtt	ttcaatggta	ttaccagaag	300
tagaagcggc	attagcagag	attcccggag	tcaggagtgt	tgtattattt	ggagtagaaa	360
ctcatgtgtg	catccaacaa	actgccctgg	agctagtgtg	ccgaggagtc	gaggttcaca	420
ttgttgctga	tgccacctca	tcaagaagca	tgatggacag	gatgtttgcc	ctcgagcgtc	480
tcgctcrarc	cngggatcat	agtgaccacg	agtnaggct	gttctgcttc	agctggtagc	540
tgataaggac	catccaaaat	tcaaggaaat	tcagaatcta	attaaggcga	gtgctccaga	600
gtcgggtctg	ctttccaaag	tataggacat	ttgaagaact	ggtatgctac	tcactgggtga	660
aggacagtca	ggtgaaggac	tgtaagccca	cacaagctct	tcttatctct	actagaatta	720
aaatgttaag	tcaaaaacgg	ctcctttttt	gcgcctccta	gtgaacttaa	ccagctagac	780
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tttttgttaa	tgtgctttta	tttattaaaa	aaaattacaa	tgaagatgcc	tgttttgcct	900
ctactgtgta	ctctgatcgt	atctttccaa	agtgcagact	cttgtgaagt	tttcttaaat	960
tgttcacttt	aaagaaaatg	acgtaccaac	aatgatttgg	cttttatatt	actgtaagat	1020
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tgcatatgaa	tttaccacac	ggactctgaa	tcattgttacc	cactcccctc	acaatgttgt	1140
ccacttagtg	agttgcattg	atctatccgt	accaaatgat	gttgaataat	tacatatctt	1200
tctkgactat	actgatttct	tattttggtc	actattacta	aatctctggt	aatattctct	1260
cttttaactg	aaaagggatg	ggatagaagg	gtttgcaatg	ccatattatt	ggtggagggc	1320
tgttttaaca	tctttgaagt	atggcttgct	gaatatcttt	accaacatct	tgaatatata	1380
ttctagtgtc	cacaagattt	agcaaaaaga	taaagcttgg	gtggaatatc	attttaaaaa	1440
gttcatgttc	tgttctatat	tttcttcacc	tactctccaa	atattgtaat	gcaaaaagtc	1500
tcagtaatga	tttggtagta	ttaatTTTTgt	ggtcattggt	tctcttcgat	aaattttatt	1560
tcattaaata	cttrrttagag	ggtttttgaag	tgtttttcaa	atatgtgaaa	tgtgaaactg	1620
ctgtctttta	tattaaagta	attaaagaaa	atgtattgtg	attgaaatta	ttttgncctc	1680
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<210> 278  
 <211> 1320  
 <212> DNA  
 <213> Homo sapiens

0988271.061801

<220>  
 <221> SITE  
 <222> (743)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1275)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1303)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1316)  
 <223> n equals a,t,g, or c

<400> 278

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ctagggcagt	agcccaggac	tcctagtcgc	cggcttcagg	tcactgccgg	ctgaacggag	180
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aagtggcaga	ggataaattt	gtttttgact	tacctgatta	tgaaagtatc	aaccatgttg	300
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gcctatgttt	taggggaccac	tattaaagct	tataaatatt	tgtgtatttt	catttagaag	1020
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tccaactttc	ccgtgtttta	tagatatattc	ttttcacttt	gagtatccta	gagatgggag	1140
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aatgcactag	gtttgaattt	ggcataatgg	tagctatgtg	accctgagca	aatttctctc	1260
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<210> 279  
 <211> 515  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (465)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (467)

<223> n equals a,t,g, or c

<400> 279

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agcccagagt	cacactttga	ctttgctacc	atgggctgtg	tctangnacg	tatatatgct	480
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<210> 280

<211> 2995

<212> DNA

<213> Homo sapiens

<400> 280

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acactggatc	accatcatcc	gagctcgctt	cgaggaggtc	ctgacatggg	ctaagcagca	180
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cccgcagaac	attgaccgag	ttaaagccct	tatcgctgag	catcagacat	ttatggagga	360
gatgactcgc	aaacagcctg	acgtggaccg	ggtcaccaag	acatacaaaa	ggaaaaacat	420
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caaccagctt	tctgcccgcct	ggcagcaggt	gtggctgtta	gcaactggagc	ggcaaaggaa	600
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cctcaattag	caagaactga	ggggagggct	ttttccattg	tttaattgtt	tgtgattttt	2280

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ctagaattca	ggggtaaagt	taagtgttca	gaaaacgtca	gaacatttgg	ggtttttaaac	2460
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gaagctctac	caatgaactg	tttagaaaca	agacacactt	ttgtattaaa	attgcttgca	2940
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&lt;210&gt; 281

&lt;211&gt; 1990

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 281

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accgcagagg	atgaagctgc	tgctgggcat	cgcttgctg	gcctacgtcg	cctctgtttg	120
gggcaacttc	gttaatatga	ggcttatcca	ggaaaatggt	gaactaaaaa	ttgaaagcaa	180
gattgaagag	atgggtgaac	cactaagaga	gaaaatcaga	gatttagaaa	aaagctttac	240
ccagaaatac	ccaccagtaa	agttttttatc	agaaaaggat	cggaaaagaa	ttttgawtaa	300
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caaagtgagg	attactgggg	ccacgtgaat	ccaataggac	ctcgggcctg	ctacgatgaa	720
ggcaaacgtg	ttgcagagac	catgtgctat	gcctacatga	agcaggaagg	cgtggaagtg	780
cgagtggcca	gaatcttcaa	cacctttggg	ccacgcatgc	acatgaacga	tgggcgagta	840
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agagtttttc	caaggtctac	ttttgagttg	caaacttgac	tttgaaatat	tcctgttggt	1860
catgatcaag	gatatattgaa	atcactactg	tgttttgctg	cgtatctggg	gcggggggcag	1920
gttggggggc	acaaagttaa	catattcttg	gttaaccatg	gttaaatatg	ctattttaat	1980

aaaatattga

1990

<210> 282  
 <211> 2436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (24)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (36)  
 <223> n equals a,t,g, or c

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 ccacattcct ccttcttata agagcacagt aacactatcc tggaaacctg tacaaaagggt 180  
 tgagattggg caaaagagag ccagtgaaga tacaacttca gggtcaccac ccaagaaatc 240  
 ttcagcagga ccaaaaagag atgccaggca gatttataac cctcccagtg ggaaatatag 300  
 cagcaatttg ggcaacttta attatgagca gagaggagcc ttcaggggaa gtagagggtg 360  
 ccgagggttg ggcacacgag gaaatcgtag tcggggaaga ctctactgaa taagacatca 420  
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 ggggatgtcc ctttaaacag actgctgcct tcagctaaaa acttaatgtt ctttatacct 540  
 ttgtatgtat gacctacttt tgtaacagac catggttggtg tccaaggtaa aaccacagtg 600  
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 gtcataaaaag caaaataactt acatagcttt cttaaaaat aggaatgaca ttacattttt 960  
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 cattttcaaa gataaattgg aattgctggt ggtgaaataa caacaaaaat actgaatctg 1380  
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 tataagttag ccaatagaat ttttaggtta aaacaacaga tgggggggtt gtggagtgtt 1620  
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 gcacatgtgt atgggggaaa tagttctgaa aggctagaat gatacaagtg agcaaaagt 1920  
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 gaacctaaac tcccttgga tctgaacaaa ggaatataaa attgccattt gaaaactgac 2040  
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 aattatagag actacagcta aataaatttg aacattaaat ataattttac cactttttgt 2160  
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 gatactgagt tgactgttcc cttatccctc acccttcccc ttccctttcc taaggcaata 2280  
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 ttgaaataa atttcctttt gtaattttaa aaaaaa 2436

<210> 283  
 <211> 782  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (228)  
 <223> n equals a,t,g, or c

<400> 283  
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 tcacttgtgg cctttratta aattcctaag gggcctgaag aagacatttc tactgcagag 120  
 ggtagagggc acttgagcaa ggccccaca tcccaactct gggagttgtg gtgggaggag 180  
 gcacttctgg gggataggac cagacaagat aacaggagct cacatggnaa gcagaagctg 240  
 tgacaagtct agtagtccca aaatgggtta tatcccttcc ccctttacat cagaatcttg 300  
 tgaaatggga aaacaacaga aggaggggat caaagatagc tgatctcaca tgcttcccag 360  
 gcagggcara ggtgggagtc aaacccgggt gacaggtggg tggagagccc tgtttgaggt 420  
 tgtggctgat cctctctggg tattagtttt tcccctggga gcaggaagcc ctaggaagag 480  
 gggactgcag ggtcccccrgg ggatctttcc tccctccctc gcagtaggca gaggcaagct 540  
 gcctgccaac cccctccctc aaggaatggc cttgccagg aatgccacc acacataccc 600  
 tcttcttttt ttctagtcaa actcttggtt attccttggc ttgcctccct ccttccctccc 660  
 ctctcaacct ttacttctga ttctatattc atggaatttg ggattgaagt taaactacaa 720  
 cagtgccgcc aacaccaagt cttgcaggaa aaaaatacaa agaaatttaa caaaaaaaaaa 780  
 aa 782

<210> 284  
 <211> 961  
 <212> DNA  
 <213> Homo sapiens

<400> 284  
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 aggtgggaag gaggcagaaa ctccggcagcc tgtgggtgatt ctyttgggct ggggtggctg 180  
 caaggacaag aaccttgcca agtacagtgc catctaccac aaaaggggct gcacgtaat 240  
 ccgatacaca gcccgtggc acatgggtctt cttctccgag tcccttccact tcccttccact 300  
 tcgtgttttg gcccagaagc tgctcgagct gctctttgat tatgagattg agaaggagcc 360  
 cctgctcttc catgtcttca gcaacgggtg cgtcatgctg taccgctacg tgctggagct 420  
 cctgcagacc cgtcgcttct gccgcctgcg tgtgggtggg accatctttg acagcgctcc 480  
 tggtagacag aacctggtag gggctctgcg ggccctggca gccatccttg agcgccgggc 540  
 cgccatgctg cgccgtgttg tgctgggtgg ctttgccttg gtggtcgtcc tgttccacgt 600  
 cctgcttget cccatcacag cctcttccca caccacttc tatgacaggc tacaggacgc 660  
 gggctctcgc tggcccgagc tctacctcta ytcgagggct gacgaagtag tcctggccag 720  
 agacatagaa cgcattggtg aggcacgcct ggcacgcagg gtcctggcgc gttctgtgga 780  
 tttogtgcga tctgcacacg tcagccacct ccgtgactac cctacttact acacaagcct 840  
 ctgtgtcgac ttcattgcga actgcgtccg ctgctgagac cattgctcca tctcamctct 900  
 gctccagaaa taaatgcctg acamctcccc aaaaaaaaaa aaaaaaaaaa actcgagggg 960  
 g 961

<210> 285  
 <211> 1228

<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1224)  
<223> n equals a,t,g, or c

<400> 285  
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tccagtcgca gccctatcag atttggatat gtccttcata tttgattgga tttacagtgg 120  
tttcagcagt gtgctacagt ttttaggatt atataagaaa actggtaaac tggattttct 180  
tggattggat aatgcaggaa aaacaacatt gctacacatg ctaaaagatg acagacttgg 240  
acaacatgtc ccaacattac atcccacttc cgaagaactg accattgctg gcatgacggt 300  
tacaactttt gatctgggtg gacatgttca agctcgaaga gtgtggaaaa actaccttcc 360  
tgctatcaat ggcattgtat ttctgggtgga ttgtgcagac cacgaaaggc tgtagagtc 420  
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&lt;211&gt; 1847

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 287

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&lt;211&gt; 1795

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (445)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 292

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&lt;221&gt; SITE

&lt;222&gt; (1826)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 296

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<213> Homo sapiens
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<222> (263)
<223> n equals a,t,g, or c
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<211> 3276

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<213> Homo sapiens

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<222> (3270)

<223> n equals a,t,g, or c

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&lt;210&gt; 299

&lt;211&gt; 1695

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1693)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 299

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&lt;210&gt; 300

&lt;211&gt; 1501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1125)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 300

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&lt;210&gt; 301

&lt;211&gt; 2683

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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<222> (20)  
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<220>  
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<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (817)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (2661)  
<223> n equals a,t,g, or c

<400> 301

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&lt;210&gt; 302

&lt;211&gt; 1454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1454)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 302

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aaaaaaaaaa aacn

1454

&lt;210&gt; 303

&lt;211&gt; 828

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (491)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 303

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&lt;210&gt; 304

&lt;211&gt; 2416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 304

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<211> 545
<212> DNA
<213> Homo sapiens

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<220>
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<222> (509)
<223> n equals a,t,g, or c

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<222> (521)
<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<210> 306
<211> 1530
<212> DNA
<213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (1529)  
 <223> n equals a,t,g, or c

<400> 306

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<210> 307  
 <211> 997  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (103)  
 <223> n equals a,t,g, or c

<400> 307

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&lt;210&gt; 308

&lt;211&gt; 2345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2178)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2332)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 308

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&lt;210&gt; 309

&lt;211&gt; 2369

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1598)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 309

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 <211> 1181  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1181)  
 <223> n equals a,t,g, or c

<400> 310						
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<210> 311  
 <211> 1537  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (163)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1320)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1533)

<223> n equals a,t,g, or c

<400> 311

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<210> 312

<211> 1493

<212> DNA

<213> Homo sapiens

<400> 312

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<211> 577
<212> DNA
<213> Homo sapiens
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<223> n equals a,t,g, or c
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<223> n equals a,t,g, or c
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&lt;210&gt; 315

&lt;211&gt; 876

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (120)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (377)  
 <223> n equals a,t,g, or c

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 <211> 2025  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<220>  
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<220>  
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<220>  
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&lt;210&gt; 318

&lt;211&gt; 712

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 318

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<210> 319  
 <211> 1289  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1273)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1287)  
 <223> n equals a,t,g, or c

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<210> 320  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 320  
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Leu Pro Phe Leu Trp Leu  
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<210> 321

<211> 128  
 <212> PRT  
 <213> Homo sapiens

<400> 321  
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 Pro Thr Cys Gln Ala Gly Ala Leu Pro Lys Pro Ser Gly Leu Leu Gly  
           20                  25                  30  
 Val Thr Cys Trp Asn Gly Leu Lys Gly Pro Leu Cys Gly Asn Arg Cys  
           35                  40                  45  
 Ser Pro Asn Thr Leu Leu Leu Ala Ala Arg Gln Ala Leu Trp Lys Gly  
       50                  55                  60  
 Arg Gly Arg Thr His Gln Asp Leu Pro Gly Pro Leu Gln Gly Arg Gln  
   65                  70                  75                  80  
 Leu Gly Pro Glu Pro Lys His Leu Ala Leu Leu Pro Pro Arg Gly Gln  
                   85                  90                  95  
 Glu Ala Ser Trp Ala Ser Ser Leu Pro Gly Gln Gly Pro Leu Pro Leu  
           100                  105                  110  
 Pro His Ile Asn Cys Thr Val Phe Ser Leu Lys Ala Ser Phe Ile Lys  
       115                  120                  125

<210> 322  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 322  
 Met Gln Phe Leu Leu Thr Ala Phe Leu Leu Val Pro Leu Leu Ala Leu  
   1                  5                  10                  15  
 Cys Asp Val Pro Ile Ser Leu Gly Phe Ser Pro Ser  
       20                  25

<210> 323  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE

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 T03T90" T2F8860

<213> Homo sapiens

&lt;400&gt; 326

Met Leu Trp Trp Ser Arg Asp Tyr Thr Met Val Phe Leu Leu Phe Thr  
 1 5 10 15

Met Val Phe Thr Gly Asp Leu Val Ile Arg Gly Arg Thr Glu Leu Ser  
 20 25 30

Leu

&lt;210&gt; 327

&lt;211&gt; 88

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 327

Met Val Cys Ser Ser Leu Cys Asp Ile Gly Gly Ile Ile Thr Pro Phe  
 1 5 10 15

Ile Val Phe Arg Leu Arg Glu Val Trp Gln Ala Leu Pro Leu Ile Leu  
 20 25 30

Phe Ala Val Leu Gly Leu Leu Ala Ala Gly Val Thr Leu Leu Leu Pro  
 35 40 45

Glu Thr Lys Gly Val Ala Leu Pro Glu Thr Met Lys Asp Ala Glu Asn  
 50 55 60

Leu Gly Arg Lys Ala Lys Pro Lys Glu Asn Thr Ile Tyr Leu Lys Val  
 65 70 75 80

Gln Thr Ser Glu Pro Ser Gly Thr  
 85

&lt;210&gt; 328

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 328

Met Gln Pro Gly Ala Gly Val Leu Val Leu Gly Leu Leu Leu Pro Pro  
 1 5 10 15

Pro Gln Ser Pro Ser Leu Ser  
 20

&lt;210&gt; 329

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 329

Met Thr Phe Thr Leu Gly Asp Ser Gln Val Leu Leu Ile Asn Leu Phe  
 1 5 10 15

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 102150 11223660

Pro Ser Met Pro Ser Gly Ser Cys Ala Arg Pro  
 20 25

<210> 330  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals stop translation

<400> 330  
 Met Cys Leu Glu Cys Trp Ala Glu Asn Leu Gly Pro His His Thr Ser  
 1 5 10 15  
 Ser Leu Leu Asn Pro Arg His Leu Pro Ser Ile Pro Ala Met Phe Pro  
 20 25 30  
 Val Ser Ser Gly Cys Phe Gln Glu Gln Gln Glu Met Asn Lys Ser Leu  
 35 40 45  
 Val Ser Cys Leu Phe Val Leu His Phe Val Leu His Cys Ile Phe Xaa  
 50 55 60

<210> 331  
 <211> 196  
 <212> PRT  
 <213> Homo sapiens

<400> 331  
 Met Leu Ser Thr Ser Glu Tyr Ser Gln Ser Pro Lys Met Glu Ser Leu  
 1 5 10 15  
 Ser Ser His Arg Ile Asp Glu Asp Gly Glu Asn Thr Gln Ile Glu Asp  
 20 25 30  
 Thr Glu Pro Met Ser Pro Val Leu Asn Ser Lys Phe Val Pro Ala Glu  
 35 40 45  
 Asn Asp Ser Ile Leu Met Asn Pro Ala Gln Asp Gly Glu Val Gln Leu  
 50 55 60  
 Ser Gln Asn Asp Asp Lys Thr Lys Gly Asp Asp Thr Asp Thr Arg Asp  
 65 70 75 80  
 Asp Ile Ser Ile Leu Ala Thr Gly Cys Lys Gly Arg Glu Glu Thr Val  
 85 90 95  
 Ala Glu Glu Val Cys Ile Asp Leu Thr Cys Asp Ser Gly Ser Gln Ala  
 100 105 110

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 T08T90" T28860

Val Pro Ser Pro Ala Thr Arg Ser Glu Ala Leu Ser Ser Val Leu Asp  
 115 120 125

Gln Glu Glu Ala Met Glu Ile Lys Glu His His Pro Glu Glu Gly Ser  
 130 135 140

Ser Gly Ser Glu Val Glu Glu Ile Pro Glu Thr Pro Cys Glu Ser Gln  
 145 150 155 160

Gly Glu Glu Leu Lys Glu Glu Asn Met Glu Ser Val Pro Leu His Leu  
 165 170 175

Ser Leu Thr Glu Thr Gln Ser Gln Gly Leu Cys Leu Arg Arg His Pro  
 180 185 190

Lys Lys Lys Lys  
 195

<210> 332  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (163)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (167)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (252)  
 <223> Xaa equals stop translation

<400> 332  
 Met Gly Gly Asp Leu Val Leu Gly Leu Gly Ala Leu Arg Arg Arg Lys  
 1 5 10 15

Arg Leu Leu Glu Gln Glu Lys Ser Leu Ala Gly Trp Ala Leu Val Leu  
 20 25 30

Ala Xaa Xaa Gly Ile Gly Leu Met Val Leu His Ala Glu Met Leu Trp

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35                      40                      45  
 Phe Gly Gly Cys Ser Ala Val Asn Ala Thr Gly His Leu Ser Asp Thr  
     50                      55                      60  
 Leu Trp Leu Ile Pro Ile Thr Phe Leu Thr Ile Gly Tyr Gly Asp Val  
     65                      70                      75                      80  
 Val Pro Gly Thr Met Trp Gly Lys Ile Val Cys Leu Cys Thr Gly Val  
                     85                      90                      95  
 Met Gly Val Cys Cys Thr Ala Leu Leu Val Ala Val Val Ala Arg Lys  
                     100                      105                      110  
 Leu Glu Phe Asn Lys Ala Glu Lys His Val His Asn Phe Met Met Asp  
                     115                      120                      125  
 Ile Gln Tyr Thr Lys Glu Met Lys Glu Ser Ala Ala Arg Val Leu Gln  
                     130                      135                      140  
 Glu Ala Trp Met Phe Tyr Lys His Thr Arg Arg Lys Glu Ser His Ala  
     145                      150                      155                      160  
 Ala Arg Xaa His Gln Arg Xaa Leu Leu Ala Ala Ile Asn Ala Phe Arg  
                     165                      170                      175  
 Gln Val Arg Leu Lys His Arg Lys Leu Arg Glu Gln Val Asn Ser Met  
                     180                      185                      190  
 Val Asp Ile Ser Lys Met His Met Ile Leu Tyr Asp Leu Gln Gln Asn  
                     195                      200                      205  
 Leu Ser Ser Ser His Arg Ala Leu Glu Lys Gln Ile Asp Thr Leu Ala  
     210                      215                      220  
 Gly Lys Leu Asp Ala Leu Thr Glu Leu Leu Ser Thr Ala Leu Gly Pro  
     225                      230                      235                      240  
 Arg Gln Leu Pro Glu Pro Ser Gln Gln Ser Lys Xaa  
                     245                      250

<210> 333  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals stop translation

<400> 333  
 Met Trp Arg Cys Arg Gly Lys Leu Ser Phe Pro Leu Phe Ala Val Val  
     1                      5                      10                      15  
 Ile Val Ser Cys Arg Lys Asp Gly Pro Asp Ala Ala Ala Ala Pro Ala  
                     20                      25                      30



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<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals stop translation
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Leu Glu Ser Tyr Asn Trp Lys Val Ser Cys Gln Leu Arg Glu Xaa  
50 55 60

Phe His Arg  
35

Ser Gly Ser Val Trp Asp Ser  
20

<400> 339

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<210> 340
<211> 111
<212> PRT
<213> Homo sapiens
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<400> 340																
Met	Gln	Ser	Leu	Val	Gln	Trp	Gly	Leu	Asp	Ser	Tyr	Asp	Tyr	Leu	Gln	
1				5					10					15		
Asn	Ala	Pro	Pro	Gly	Phe	Phe	Pro	Arg	Leu	Gly	Val	Ile	Gly	Phe	Ala	
			20					25					30			
Gly	Leu	Ile	Gly	Leu	Leu	Leu	Ala	Arg	Gly	Ser	Lys	Ile	Lys	Lys	Leu	
		35					40					45				
Val	Tyr	Pro	Pro	Gly	Phe	Met	Gly	Leu	Ala	Ala	Ser	Leu	Tyr	Tyr	Pro	
	50					55					60					
Gln	Gln	Ala	Ile	Val	Phe	Ala	Gln	Val	Ser	Gly	Glu	Arg	Leu	Tyr	Asp	
65					70					75					80	
Trp	Gly	Leu	Arg	Gly	Tyr	Ile	Val	Ile	Glu	Asp	Leu	Trp	Lys	Glu	Asn	
				85					90					95		
Phe	Gln	Lys	Pro	Gly	Asn	Val	Lys	Asn	Ser	Pro	Gly	Thr	Lys	Xaa		
			100					105					110			

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<210> 341
<211> 106
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<220>  
 <221> SITE  
 <222> (96)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (102)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 341  
 Met Ala Pro Ser Leu Leu Leu Leu Ala Pro Leu Cys Ser Leu Glu Ala  
     1                    5                    10                    15  
 Val Leu Ser Ser Pro Leu Glu Lys Gln Cys Gln Leu Pro Gly Ile Phe  
                     20                    25                    30  
 Cys Gln Leu Gln Leu Pro Cys Pro Leu Leu Leu Ser Ala Gln Leu Leu  
                     35                    40                    45  
 Lys Gly Ile Val Xaa Pro Arg Cys Pro Ala Ser Leu Pro Gln Pro Pro  
                     50                    55                    60  
 His Pro Ala Pro Ser Trp His Leu Pro Leu His Cys Thr Glu Arg Xaa  
     65                    70                    75                    80  
 Pro His His Leu Pro Leu Gln Gly Gly Ser Ser Asn Met Glu Glu Xaa  
                     85                    90                    95  
 Asn Tyr Arg Gly Tyr Xaa Asp Ala Gln Leu  
                     100                    105

<210> 342  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals stop translation

<400> 342  
 Met Thr Thr Cys Leu Phe Gly Leu Leu Ser Cys Glu Met Ser Ala Gln  
     1                    5                    10                    15  
 Val Ser Gln Lys Ser Cys Val Tyr Asp Glu Ser Glu Cys Phe Ser Ser  
                     20                    25                    30  
 Val Gly Gln Leu Leu Ala Leu Leu Ile Leu Val Tyr Val Leu Pro Ser  
                     35                    40                    45  
 Ile Xaa  
     50

<210> 343

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<211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 343  
 Met Leu Trp Lys Cys Ser Gln Asn Ile Ala Arg Cys Leu Leu Leu Leu  
   1                  5                  10                  15  
 Leu Ala Leu Val Glu Ile Lys Leu Glu Asp Leu Gln Ser Gln Leu His  
                   20                  25                  30  
 Pro Thr Trp Lys Ser Ile Pro Gly Pro Ser Pro Arg Asn Gln His Arg  
           35                  40                  45

<210> 344  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals stop translation

<400> 344  
 Met Leu Ile Pro Leu Gln Cys Leu Phe Ser Ser Asp Arg Met Leu Thr  
   1                  5                  10                  15  
 Phe Leu Thr Pro Trp Gln Lys Gly Glu Lys Cys Val Leu Gly Trp Val  
           20                  25                  30  
 Thr Lys Phe Leu Ser Glu Ile Ser Xaa  
       35                  40

<210> 345  
 <211> 76  
 <212> PRT  
 <213> Homo sapiens

<400> 345  
 Met Thr Phe Ser Ser Leu Lys Leu Phe Val Leu Thr Cys Ile Ile Lys  
   1                  5                  10                  15  
 Gly Leu Glu Arg Phe Ile Ile Leu Arg Glu Val Cys Asn Gln Glu Ile  
           20                  25                  30  
 Gln Arg Ser Leu Ser Ser Asn Leu Val His Val Leu Leu Gln Pro Ala  
       35                  40                  45  
 Thr Phe Lys Asp Val Leu Val Thr Glu Ile Ile Cys Leu Cys Met Cys  
       50                  55                  60  
 Leu Tyr Ser Ile Lys Tyr Met Pro Pro Gln Lys Lys

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65

70

75

&lt;210&gt; 346

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 346

Met	Ala	Gly	Ala	Ser	Leu	Gly	Ala	His	Arg	Ala	Phe	Gly	Gly	Leu	Arg
1				5					10					15	

Val	Leu	Thr	Phe	Asp	Phe	Leu	Gln	Val	Gly	Gly	Lys	Pro	Asp	His	Asp
			20					25					30		

Asp	Gln	Ser	Leu	His	Ile	Leu	Asp	Leu	His	Gly	Ala	Asp	Pro	Ala	Leu
		35					40					45			

Pro	Gly	Ser	His	Gln	Val	Tyr	Ala	Thr	Thr	Phe	Cys	Ser	Lys	Phe	Arg
		50				55					60				

Ile	Arg	Val	Thr	Ser	Gly	Glu	His	Cys	Pro	Gln	Xaa	Asn	Ala	Asn	Gly
65					70					75					80

Leu Ala Ala

&lt;210&gt; 347

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 347

Met	Ala	Lys	Ile	Ser	Pro	Phe	Glu	Val	Val	Lys	Arg	Thr	Ser	Val	Pro
1				5					10					15	

Val	Leu	Val	Gly	Leu	Val	Ile	Val	Ile	Val	Ala	Thr	Glu	Leu	Met	Val
			20					25					30		

Pro	Gly	Thr	Ala	Ala	Ala	Val	Thr	Gly	Lys
		35					40		

&lt;210&gt; 348

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 348

Met	Arg	Leu	Phe	Phe	Ile	Gly	Phe	Leu	Leu	Leu	Phe	Ser	Phe	Gly	Leu
1				5					10					15	

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Gly Leu Trp Ala Leu Glu Pro Ala Leu Gly His Trp Xaa  
145                      150                      155

<400>	351														
Met	Phe	Leu	Leu	Pro	Leu	Pro	Ala	Ala	Gly	Arg	Val	Val	Val	Arg	Arg
1				5					10					15	
Leu	Ala	Val	Arg	Arg	Phe	Gly	Ser	Arg	Ser	Leu	Ser	Thr	Ala	Asp	Met
			20					25					30		
Thr	Lys	Gly	Leu	Val	Leu	Gly	Ile	Tyr	Ser	Lys	Glu	Lys	Glu	Asp	Asp
		35					40					45			
Val	Pro	Gln	Phe	Thr	Ser	Ala	Gly	Glu	Asn	Phe	Asp	Lys	Leu	Leu	Ala
	50					55					60				
Gly	Lys	Leu	Arg	Glu	Thr	Leu	Asn	Ile	Ser	Gly	Pro	Pro	Leu	Lys	Ala
65					70					75					80
Gly	Lys	Thr	Arg	Thr	Phe	Tyr	Gly	Leu	His	Gln	Asp	Phe	Pro	Ser	Val
				85					90					95	
Val	Leu	Val	Gly	Leu	Gly	Lys	Lys	Ala	Ala	Gly	Ile	Asp	Glu	Gln	Glu
			100					105					110		
Asn	Trp	His	Glu	Gly	Lys	Glu	Asn	Ile	Arg	Ala	Ala	Val	Ala	Ala	Gly
		115					120					125			
Cys	Arg	Gln	Ile	Gln	Asp	Leu	Glu	Leu	Ser	Ser	Val	Glu	Val	Asp	Pro
	130					135					140				
Cys	Gly	Asp	Ala	Gln	Ala	Ala	Ala	Glu	Gly	Ala	Val	Leu	Gly	Leu	Tyr
145					150					155					160
Glu	Tyr	Asp	Asp	Leu	Lys	Gln	Lys	Lys	Lys	Met	Ala	Val	Ser	Ala	Lys
				165					170					175	
Leu	Tyr	Gly	Ser	Gly	Asp	Gln	Glu	Ala	Trp	Gln	Lys	Gly	Val	Leu	Phe
			180					185					190		
Ala	Ser	Gly	Gln	Asn	Leu	Ala	Arg	Gln	Leu	Met	Glu	Thr	Pro	Ala	Asn
		195					200					205			
Glu	Met	Thr	Pro	Thr	Arg	Phe	Ala	Glu	Ile	Ile	Glu	Lys	Asn	Leu	Lys
	210					215					220				

Ser Ala Ser Ser Lys Thr Glu Val His Ile Arg Pro Lys Ser Trp Ile  
 225 230 235 240  
 Glu Glu Gln Ala Met Gly Ser Phe Leu Ser Val Ala Lys Gly Ser Asp  
 245 250 255  
 Glu Pro Pro Val Phe Leu Glu Ile His Tyr Lys Gly Ser Pro Asn Ala  
 260 265 270  
 Asn Glu Pro Pro Leu Val Phe Val Gly Lys Gly Ile Thr Phe Asp Ser  
 275 280 285  
 Gly Gly Ile Ser Ile Lys Ala Ser Ala Asn Met Asp Leu Met Arg Ala  
 290 295 300  
 Asp Met Gly Gly Ala Ala Thr Ile Cys Ser Ala Ile Val Ser Ala Ala  
 305 310 315 320  
 Lys Leu Asn Leu Pro Ile Asn Ile Ile Gly Leu Ala Pro Leu Cys Glu  
 325 330 335  
 Asn Met Pro Ser Gly Lys Ala Asn Lys Pro Gly Asp Val Val Arg Ala  
 340 345 350  
 Lys Asn Gly Lys Thr Ile Gln Val Asp Asn Thr Asp Ala Glu Gly Arg  
 355 360 365  
 Leu Ile Leu Ala Asp Ala Leu Cys Tyr Ala His Thr Phe Asn Pro Lys  
 370 375 380  
 Xaa Ile Leu Asn Ala Ala Thr Leu Thr Gly Ala Met Asp Val Ala Leu  
 385 390 395 400  
 Gly Ser Gly Ala Thr Gly Val Phe Thr Asn Ser Ser Trp Leu Trp Asn  
 405 410 415  
 Lys Leu Phe Glu Ala Ser Ile Glu Thr Gly Asp Arg Val Trp Arg Met  
 420 425 430  
 Pro Leu Phe Glu His Tyr Thr Arg Gln Val Val Asp Cys Gln Leu Ala  
 435 440 445  
 Asp Val Asn Asn Ile Gly Lys Tyr Arg Ser Ala Gly Ala Cys Thr Ala  
 450 455 460  
 Ala Ala Phe Leu Lys Glu Phe Val Thr His Pro Lys Trp Ala His Leu  
 465 470 475 480  
 Asp Ile Ala Gly Val Met Thr Asn Lys Asp Glu Val Pro Tyr Leu Arg  
 485 490 495  
 Lys Gly Met Thr Gly Arg Pro Thr Arg Thr Leu Ile Glu Phe Leu Leu  
 500 505 510  
 Arg Phe Ser Gln Asp Asn Ala Xaa  
 515 520

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<400> 352
Thr Ile Leu Phe Leu Phe Leu Gln Leu Ser Ala Leu Arg Leu Ile Val
   1                               5               10              15

Gly Lys Asp Ser Ile Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp
      20                      25                30

Gln Ser Leu Arg Leu Asn Ala
    35
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<220>
<221> SITE
<222> (234)
<223> Xaa equals stop translation
```

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<400> 353
Met Thr Ser Glu Leu Asp Ile Phe Val Gly Asn Thr Thr Leu Ile Asp
  1              5              10              15

Glu Asp Val Tyr Arg Leu Trp Leu Asp Gly Tyr Ser Val Thr Asp Ala
      20              25              30

Val Ala Leu Arg Val Arg Ser Gly Ile Leu Glu Gln Thr Gly Ala Thr
      35              40              45

Ala Ala Val Leu Gln Ser Asp Thr Met Asp His Tyr Arg Thr Phe His
      50              55              60

Met Leu Glu Arg Leu Leu His Ala Pro Pro Lys Leu Leu His Gln Leu
  65              70              75              80

Ile Phe Gln Ile Pro Pro Ser Arg Gln Ala Leu Leu Ile Glu Arg Tyr
      85              90              95

Tyr Ala Phe Asp Glu Ala Phe Val Arg Glu Val Leu Gly Lys Lys Leu
      100             105             110

Ser Lys Gly Thr Lys Lys Asp Leu Asp Asp Ile Ser Thr Lys Thr Gly
      115             120             125

Ile Thr Leu Lys Ser Cys Arg Arg Gln Phe Asp Asn Phe Lys Arg Val
      130             135             140

Phe Lys Val Val Glu Glu Met Arg Gly Ser Leu Val Asp Asn Ile Gln
  145             150             155             160

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Gln His Phe Leu Leu Ser Asp Arg Leu Ala Arg Asp Tyr Ala Ala Ile  
                   165                  170                  175

Val Phe Phe Ala Asn Asn Arg Phe Glu Thr Gly Lys Lys Lys Leu Gln  
                   180                  185                  190

Tyr Leu Ser Phe Gly Asp Phe Ala Phe Cys Ala Glu Leu Met Ile Gln  
                   195                  200                  205

Asn Trp Thr Leu Gly Pro Val Asp Ser Gln Met Asp Asp Met Asp Met  
                   210                  215                  220

Asp Leu Asp Arg Asn Phe Ser Arg Thr Xaa  
                   225                  230

<210> 354  
 <211> 169  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (169)  
 <223> Xaa equals stop translation

<400> 354  
 Met Ala Ala Ala Val Ala Gly Met Leu Arg Gly Gly Leu Leu Pro Gln  
   1                  5                  10                  15

Ala Gly Arg Leu Pro Thr Leu Gln Thr Val Arg Tyr Gly Ser Lys Ala  
                   20                  25                  30

Val Thr Arg His Arg Arg Val Met His Phe Gln Arg Gln Lys Leu Met  
                   35                  40                  45

Ala Val Thr Glu Tyr Ile Pro Pro Lys Pro Ala Ile His Pro Ser Cys  
                   50                  55                  60

Leu Pro Ser Pro Pro Ser Pro Pro Gln Glu Glu Ile Gly Leu Ile Arg  
   65                  70                  75                  80

Leu Leu Arg Arg Glu Ile Ala Ala Val Phe Gln Asp Asn Arg Met Ile  
                   85                  90                  95

Ala Val Cys Gln Asn Val Ala Leu Ser Ala Glu Asp Lys Leu Leu Ile  
                   100                  105                  110

Ala Thr Pro Ala Ala Glu Thr Gln Asp Pro Asp Glu Gly Leu Pro Gln  
                   115                  120                  125

Pro Gly Pro Glu Ser Pro Ser Trp Arg Ile Pro Ser Thr Lys Ile Cys  
                   130                  135                  140

Cys Pro Phe Leu Trp Gly Thr Thr Cys Cys Trp Ser Val Lys Ser Pro  
   145                  150                  155                  160

Arg Ser Arg Arg Trp Tyr Gly Ser Xaa

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<210> 355
<211> 43
<212> PRT
<213> Homo sapiens
```

```

<400> 355
Met Lys Arg Ser Phe Leu Leu Pro Leu Leu Leu Val Gly Phe Leu Asp
  1                      5                      10                      15

Thr Ala His Leu Ile Leu Leu Glu Thr Leu Ser Val Cys Leu Trp Leu
          20                      25                      30

Pro Ser Leu Ile Asp Ser Arg Cys Val Met Ser
      35                      40

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<210> 356
<211> 78
<212> PRT
<213> Homo sapiens

<400> 356
Met Lys Glu Gly Pro Pro Cys Lys Arg His His Tyr Tyr Gln Asn Cys
 1              5              10              15
Gly Ala Lys Leu Leu Val Ser Leu Phe Gly Glu Thr Asn Gln Ile His
      20              25              30
Leu Leu Glu Thr Gln Val Gly Thr Glu Lys Gly Gly Glu Arg Ile Trp
      35              40              45
Glu Glu Lys Trp Arg Ile Ser Ser Thr Val Leu Phe Ile Ser Val Asn
      50              55              60
Ser Tyr Val Glu Gly Ser Val Leu Glu Ile Lys Leu Phe Tyr
      65              70              75

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<210> 357
<211> 24
<212> PRT
<213> Homo sapiens
```

```
<400> 357
Met Ser Glu Ile Leu Ser Leu Leu Phe Cys Leu Leu Gly Pro Ala Leu
  1                      5              10              15
Asp Glu Arg Arg Glu Glu Lys Asp
          20
```

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<210> 358
<211> 274
<212> PRT
<213> Homo sapiens
```

<220>  
 <221> SITE  
 <222> (108)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (178)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (226)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (228)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (229)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (274)  
 <223> Xaa equals stop translation

<400> 358  
 Met Ser Ser Ala Gly Thr Ala Thr Pro Leu Glu Met Asp His Lys Leu  
   1                  5                  10                  15  
 Thr Ser Gln Pro Gly Arg Pro Ser Phe Tyr Cys Asn Ser Arg His Ser  
                   20                  25                  30  
 Ile Val Gly Ser Ser His Gln Leu Gly Phe Trp Phe Ser His Leu Glu  
           35                  40                  45  
 Ser Ser Gly Leu Lys Val Phe Gln Val Ser Leu Pro Cys Glu Cys Val  
   50                  55                  60  
 Asn Leu Pro Thr Arg Ile Ala Ser Val Val Leu Ser Leu Met Ser Leu  
   65                  70                  75                  80  
 Leu Val Val Gly Gln Ala Pro Ala Trp Glu Gly Ser Leu Leu Arg Gly  
           85                  90                  95  
 Arg Pro Ala Gly Gly Ala His Leu Cys Ala Met Xaa Val Ile Glu Gly  
           100                  105                  110  
 Leu Val Val Asp Val Gly Glu Arg Ile Leu His Gly Gln Arg Glu Val  
   115                  120                  125  
 Gly Gln Val Ser Gln Val Leu Pro Ala Leu Ser Leu Gly Leu Val Phe  
   130                  135                  140

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Leu Cys Gln Gly Thr Val Glu Lys Val Ser Gly Ala Ala His Cys Ser  
145 150 155 160

Ser Leu Leu Cys Cys Leu Pro Trp Gln Cys Ser Gly Gly Gly Phe Pro  
165 170 175

Thr Xaa Arg Cys Ser Arg Pro Tyr Phe Ser Ser His Lys Gly Val Ala  
180 185 190

Ala Thr Leu Ala Leu Thr Cys His Cys Asp Lys Val His Val Ala Gly  
195 200 205

Leu Gly Lys Asp Trp Ala Ile Glu Gln Arg Arg Arg Thr Cys Glu Ser  
210 215 220

Asp Xaa Glu Xaa Xaa Pro Phe Thr Leu Ala Gly Leu Val Leu Val Leu  
225 230 235 240

Arg Phe Cys Gln Val Val Leu Val Trp Ile Pro Gln Leu Gly Asp Lys  
245 250 255

His Trp Arg Gly Met Thr Arg Leu Gly Arg Val Ser Leu Thr Ser Ser  
260 265 270

Ile Xaa

<210> 359

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals stop translation

<400> 359

Met Ile Phe Thr Ser Val Thr Lys Gly Ile Leu Leu Ile Ala Leu Trp  
1 5 10 15

Val Pro Leu Phe His Phe Met Leu Ile Asp Ser Ile Leu Gly Pro Ser  
20 25 30

Arg Leu Leu Thr Asp Gly Val Pro Phe Asn Pro Trp His Val Xaa  
35 40 45

<210> 360

<211> 117

<212> PRT

<213> Homo sapiens

<400> 360

Met Trp Leu Leu Ser Ala Ile Leu Trp Ala Ser Leu Trp Met Ala Arg  
1 5 10 15

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Met Ala Ser Arg Ser Leu Ser Ala Ser Gly Arg Val Asp Leu Asn Trp  
                   20                                  25                                  30

Ser Trp Ala Glu Ile Arg Pro Ser Ile Ser Ser Met Val Trp Thr Met  
                   35                                  40                                  45

Asn Met Ser Trp Arg Ser Ser Met Ala Leu Ser Ile Gln Leu Leu Lys  
                   50                                  55                                  60

Gly Ala Ala Arg Leu Ala Tyr Ser Arg Cys Ser Trp Ser Met Ala Ser  
                   65                                  70                                  75                                  80

Ser Cys Phe Ser Val Phe Ser Arg Ala Ser Leu Arg Leu Cys Val Arg  
                                   85                                  90                                  95

Glu Pro Arg Ala Ser His Trp Ser Gln Ile Phe Trp His Arg Val Leu  
                                   100                                  105                                  110

Thr Leu Trp Glu Ser  
                   115

<210> 361

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 361

Met Ser Ile Ser Gly Thr Asp Gly Leu Ile Leu Leu Leu Val Gly Leu  
   1                                  5                                  10                                  15

Glu Ala Xaa Val Arg Ser Ser Lys Lys Trp Ile Pro Lys Ala Leu Xaa  
                                   20                                  25                                  30

Val Thr Gln Ala Lys Trp Asn Ser Trp Pro Ser Arg Arg Asn Ala Gly  
                                   35                                  40                                  45

Phe Ala Leu His  
                   50

<210> 362

<211> 132

<212> PRT

<213> Homo sapiens

<220>

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<400> 363
Met Gly Ser Arg Asp His Leu Phe Lys Val Leu Val Val Gly Asp Ala
  1                               5                10                15
Ala Val Gly Lys Thr Ser Leu Val Gln Asp Tyr Ser Gln Asp Ser Phe
                20                25                30
Ser Lys His Tyr Lys Ser Thr Val Gly Val Asp Phe Ala Leu Lys Val
            35                40                45
Leu Gln Trp Ser Asp Tyr Glu Ile Val Arg Leu Gln Leu Trp Asp Ile
    50                55                60
Ala Gly Gln Glu Arg Phe Thr Ser Met Thr Arg Leu Tyr Tyr Arg Asp
  65                70                75                80

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Asn Ser Gln Leu Thr Asn His Arg Lys Tyr Tyr Phe Leu Ser Tyr Gly  
20 25 30

Phe Trp Phe Thr Gly Leu Arg Gly Phe Ser Glu Tyr Leu Trp Pro Gln  
 35 40 45

Gln His Thr Ser Phe His Pro Asn Arg Asn Glu Ile Asn Phe Val Ser  
 50 55 60

Thr Asp Asn Arg Ile Trp Val Thr Xaa  
 65 70

<210> 366

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals stop translation

<400> 366

Met Ser Asp Gln Glu Ala Lys Pro Ser Thr Glu Asp Leu Gly Asp Lys  
 1 5 10 15

Lys Glu Gly Glu Tyr Ile Lys Leu Lys Val Ile Gly Gln Asp Ser Ser  
 20 25 30

Glu Ile His Phe Lys Val Lys Met Thr Thr His Leu Lys Lys Leu Lys  
 35 40 45

Glu Ser Tyr Cys Gln Arg Gln Gly Val Pro Met Asn Ser Leu Arg Phe  
 50 55 60

Leu Phe Glu Gly Gln Arg Ile Ala Asp Asn His Thr Pro Lys Glu Leu  
 65 70 75 80

Gly Met Glu Glu Glu Asp Val Ile Glu Val Tyr Gln Glu Gln Thr Gly  
 85 90 95

Gly His Ser Thr Val Xaa  
 100

<210> 367

<211> 48

<212> PRT

<213> Homo sapiens

<400> 367

Met Gly Phe Pro Gln Trp His Leu Gly Asn His Ala Val Glu Pro Val  
 1 5 10 15

Thr Ser Ile Leu Leu Leu Phe Leu Leu Met Met Leu Gly Val Arg Gly  
 20 25 30

Leu Leu Leu Val Gly Leu Val Tyr Leu Val Ser His Leu Ser Gln Arg  
 35 40 45

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 100190" T2T28860

<210> 368  
 <211> 179  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (175)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (179)  
 <223> Xaa equals stop translation

<400> 368  
 Met Ser Ala Glu Val Lys Val Thr Gly Gln Asn Gln Glu Gln Phe Leu  
 1 5 10 15  
 Leu Leu Ala Lys Ser Ala Lys Gly Ala Ala Leu Ala Thr Leu Ile His  
 20 25 30  
 Gln Val Leu Glu Ala Pro Gly Val Tyr Val Phe Gly Glu Leu Leu Asp  
 35 40 45  
 Met Pro Asn Val Arg Glu Leu Ala Glu Ser Asp Phe Ala Ser Thr Phe  
 50 55 60  
 Arg Leu Leu Thr Val Phe Ala Tyr Gly Thr Tyr Ala Asp Tyr Leu Ala  
 65 70 75 80  
 Glu Ala Arg Asn Leu Pro Pro Leu Thr Glu Ala Gln Lys Asn Lys Leu  
 85 90 95  
 Arg His Leu Ser Val Val Thr Leu Ala Ala Lys Val Lys Cys Ile Pro  
 100 105 110  
 Tyr Ala Val Leu Leu Glu Ala Leu Ala Leu Arg Asn Val Arg Gln Leu  
 115 120 125  
 Glu Asp Leu Val Ile Glu Ala Val Tyr Ala Asp Val Leu Arg Gly Ser  
 130 135 140  
 Leu Asp Gln Arg Asn Gln Arg Leu Glu Val Asp Tyr Ser Ile Gly Arg  
 145 150 155 160  
 Asp Ile Gln Arg Gln Asp Leu Ser Ala Ile Ala Arg Thr Leu Xaa Lys  
 165 170 175  
 Asn His Xaa

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<400> 369
Met Lys Ser Ser Ser Leu Phe Phe Phe Phe Leu Ala His Phe Ile His
  1                      5                      10                      15

Ser His Asp Leu Pro Gly Leu Cys Arg
          20          25

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (224)
<223> Xaa equals stop translation
```

Ser Ser Ser Lys Leu Ser Met Ser Lys Ala Leu Pro Leu Thr Lys Val  
20 25 30

Thr Lys Ala Leu Thr Asn Met Ser Arg Thr Leu Val Asn Lys Glu Glu  
50 55 60

Gly Thr Lys Met Thr Val Asn Asn Leu His Pro Arg Val Thr Glu Glu  
85 90 95

Leu Val His Pro Gly Val Ala Glu Val Val Phe Val Lys Lys Asp Asp  
115 120 125

Ala Ile Thr Ala Tyr Lys Lys Tyr Asn Asn Arg Cys Leu Asp Gly Gln  
 130 135 140

Pro Met Lys Cys Asn Leu His Met Asn Gly Asn Val Ile Thr Ser Asp  
 145 150 155 160

Gln Pro Ile Leu Leu Arg Leu Ser Asp Ser Pro Ser Met Lys Lys Glu  
 165 170 175

Ser Glu Leu Pro Arg Arg Val Asn Ser Ala Ser Ser Ser Asn Pro Pro  
 180 185 190

Ala Glu Val Asp Pro Asp Thr Ile Leu Lys Ala Leu Phe Lys Ser Ser  
 195 200 205

Gly Ala Ser Xaa Thr Thr Gln Pro Thr Glu Phe Lys Ile Lys Leu Xaa  
 210 215 220

<210> 371  
 <211> 349  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (349)  
 <223> Xaa equals stop translation

<400> 371  
 Met Ser Lys Asn Cys Ile Lys Leu Leu Cys Glu Asp Pro Val Phe Ala  
 1 5 10 15

Glu Tyr Ile Lys Cys Ile Leu Met Asp Glu Arg Thr Phe Leu Asn Asn  
 20 25 30

Asn Ile Val Tyr Thr Phe Met Thr His Phe Leu Leu Lys Val Gln Ser  
 35 40 45

Gln Val Phe Ser Glu Ala Asn Cys Ala Asn Leu Ile Ser Thr Leu Ile  
 50 55 60

Thr Asn Leu Ile Ser Gln Tyr Gln Asn Leu Gln Ser Asp Phe Ser Asn  
 65 70 75 80

Arg Val Glu Ile Ser Lys Ala Ser Ala Ser Leu Asn Gly Asp Leu Arg  
 85 90 95

Ala Leu Ala Leu Leu Leu Ser Val His Thr Pro Lys Gln Leu Asn Pro  
 100 105 110

Ala Leu Ile Pro Thr Leu Gln Glu Leu Leu Ser Lys Cys Arg Thr Cys  
 115 120 125

Leu Gln Gln Arg Asn Ser Leu Gln Glu Gln Glu Ala Lys Glu Arg Lys

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<210> 372
<211> 467
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (279)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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&lt;221&gt; SITE

&lt;222&gt; (341)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 372

Met	Leu	His	Gln	Asp	His	Ile	Thr	Phe	Ala	Met	Leu	Leu	Ala	Arg	Ile
1				5					10					15	

Lys	Leu	Lys	Gly	Thr	Val	Gly	Glu	Pro	Thr	Tyr	Asp	Ala	Glu	Phe	Gln
			20					25					30		

His	Phe	Leu	Arg	Gly	Asn	Glu	Ile	Val	Leu	Ser	Ala	Gly	Ser	Thr	Pro
		35					40					45			

Arg	Ile	Gln	Gly	Leu	Thr	Val	Glu	Gln	Ala	Glu	Ala	Val	Val	Arg	Leu
	50					55					60				

Ser	Cys	Leu	Pro	Ala	Phe	Lys	Asp	Leu	Ile	Ala	Lys	Val	Gln	Ala	Asp
	65					70				75					80

Glu	Gln	Phe	Gly	Ile	Trp	Leu	Asp	Ser	Ser	Ser	Pro	Glu	Gln	Thr	Val
				85					90					95	

Pro	Tyr	Leu	Trp	Ser	Glu	Glu	Thr	Pro	Ala	Thr	Pro	Ile	Gly	Gln	Ala
		100						105					110		

Ile	His	Arg	Leu	Leu	Leu	Ile	Gln	Ala	Phe	Arg	Pro	Asp	Arg	Leu	Leu
		115					120					125			

Ala	Met	Ala	His	Met	Phe	Val	Ser	Thr	Asn	Leu	Gly	Glu	Ser	Phe	Met
	130					135					140				

Ser	Ile	Met	Glu	Gln	Pro	Leu	Asp	Leu	Thr	His	Ile	Val	Xaa	Thr	Glu
	145				150					155					160

Val	Lys	Pro	Asn	Thr	Pro	Val	Leu	Met	Cys	Ser	Val	Pro	Gly	Tyr	Asp
				165					170					175	

Ala	Ser	Gly	His	Val	Glu	Asp	Leu	Ala	Ala	Glu	Gln	Asn	Thr	Gln	Ile
			180					185					190		

Thr	Ser	Ile	Ala	Ile	Gly	Ser	Ala	Glu	Gly	Phe	Asn	Gln	Ala	Asp	Lys
		195					200					205			

Ala	Ile	Asn	Thr	Ala	Val	Lys	Ser	Gly	Arg	Trp	Val	Met	Leu	Lys	Asn
	210					215					220				

Val	His	Leu	Ala	Pro	Gly	Trp	Leu	Met	Gln	Leu	Glu	Lys	Lys	Leu	His
	225				230					235					240

Ser	Leu	Gln	Pro	His	Ala	Cys	Phe	Arg	Leu	Phe	Leu	Thr	Met	Glu	Ile
				245					250					255	

Asn	Pro	Lys	Val	Pro	Val	Asn	Leu	Leu	Arg	Ala	Gly	Arg	Ile	Phe	Val
			260					265					270		

Phe	Glu	Pro	Pro	Pro	Gly	Xaa	Lys	Ala	Asn	Met	Leu	Arg	Thr	Phe	Ser
							280					285			

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Ser Ile Pro Val Ser Arg Ile Cys Lys Ser Pro Asn Glu Arg Ala Arg  
290 295 300

Leu Tyr Phe Leu Leu Ala Trp Phe His Ala Ile Ile Gln Glu Arg Leu  
305 310 315 320

Arg Tyr Ala Pro Leu Gly Trp Ser Lys Lys Tyr Glu Phe Gly Glu Ser  
325 330 335

Asp Leu Arg Ser Xaa Cys Asp Thr Val Asp Thr Trp Leu Asp Asp Thr  
340 345 350

Ala Lys Gly Arg Gln Asn Ile Ser Pro Asp Lys Ile Pro Trp Ser Ala  
355 360 365

Leu Lys Thr Leu Met Ala Gln Ser Ile Tyr Gly Gly Arg Val Asp Asn  
370 375 380

Glu Phe Asp Gln Arg Leu Leu Asn Thr Phe Leu Glu Arg Leu Phe Thr  
385 390 395 400

Thr Arg Ser Phe Asp Ser Glu Phe Lys Leu Ala Cys Lys Val Asp Gly  
405 410 415

His Lys Asp Ile Gln Met Pro Asp Gly Met Gln Ala Arg Gly Val Cys  
420 425 430

Ala Val Gly Gly Val Ala Pro Arg His Pro Asp Ala Leu Leu Ala Gly  
435 440 445

Pro Ala Gln Gln Arg Arg Glu Ser Pro Pro Tyr His Thr Gly Cys Gly  
450 455 460

His Asp Gln  
465

<210> 373  
<211> 152  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (146)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (152)  
<223> Xaa equals stop translation

<400> 373  
Met Ala Asp Glu Ala Thr Arg Arg Val Val Ser Glu Ile Pro Val Leu  
1 5 10 15

Lys Thr Asn Ala Gly Pro Arg Asp Arg Glu Leu Trp Val Gln Arg Leu

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<210> 374
<211> 373
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (373)
<223> Xaa equals stop translation

<400> 374
Met Tyr Asp Gly Thr Lys Glu Val Pro Met Asn Pro Val Lys Ile Tyr
 1             5             10             15
Gln Val Cys Asp Ile Pro Gln Pro Gln Gly Ser Ile Ile Asn Pro Gly
          20             25             30
Ser Thr Gly Ser Ala Pro Trp Asp Glu Lys Asp Asn Asp Val Asp Glu
          35             40             45
Glu Asp Glu Glu Asp Glu Leu Asp Gln Ser Gln His His Val Pro Ile
          50             55             60
Gln Asp Thr Phe Pro Phe Leu Asn Ile Asn Gly Ser Pro Met Ala Pro
          65             70             75             80

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Ala	Ser	Val	Gly	Asn	Cys	Ser	Val	Gly	Asn	Cys	Ser	Pro	Glu	Ala	Val		
				85							90						
							95										
Trp	Pro	Lys	Thr	Glu	Pro	Leu	Glu	Met	Glu	Val	Pro	Gln	Ala	Pro	Ile		
				100			105				110						
Gln	Pro	Phe	Tyr	Ser	Ser	Pro	Glu	Leu	Trp	Ile	Ser	Ser	Leu	Pro	Met		
				115			120				125						
Thr	Asp	Leu	Asp	Ile	Lys	Phe	Gln	Tyr	Arg	Gly	Lys	Glu	Tyr	Gly	Gln		
				130			135				140						
Thr	Met	Thr	Val	Ser	Asn	Pro	Gln	Gly	Cys	Arg	Leu	Phe	Tyr	Gly	Asp		
				145			150				155				160		
Leu	Gly	Pro	Met	Pro	Asp	Gln	Glu	Glu	Leu	Phe	Gly	Pro	Val	Xaa	Leu		
				165			170				175						
Glu	Gln	Val	Lys	Phe	Pro	Gly	Pro	Glu	His	Ile	Thr	Asn	Glu	Lys	Gln		
				180			185				190						
Lys	Leu	Phe	Thr	Ser	Lys	Leu	Leu	Asp	Val	Met	Asp	Arg	Gly	Leu	Ile		
				195			200				205						
Leu	Glu	Val	Ser	Gly	His	Ala	Ile	Tyr	Ala	Ile	Arg	Leu	Cys	Gln	Cys		
				210			215				220						
Lys	Val	Tyr	Trp	Ser	Gly	Pro	Cys	Ala	Pro	Ser	Leu	Val	Ala	Pro	Asn		
				225			230				235				240		
Leu	Ile	Glu	Arg	Gln	Lys	Lys	Val	Lys	Leu	Phe	Cys	Leu	Glu	Thr	Phe		
				245			250				255						
Leu	Ser	Asp	Leu	Ile	Ala	His	Gln	Lys	Gly	Gln	Ile	Glu	Lys	Gln	Pro		
				260			265				270						
Pro	Phe	Glu	Ile	Tyr	Leu	Cys	Phe	Gly	Glu	Glu	Trp	Pro	Asp	Gly	Lys		
				275			280				285						
Pro	Leu	Glu	Arg	Lys	Leu	Ile	Leu	Val	Gln	Val	Ile	Pro	Val	Val	Ala		
				290			295				300						
Arg	Met	Ile	Tyr	Glu	Met	Phe	Ser	Gly	Asp	Phe	Thr	Arg	Ser	Phe	Asp		
				305			310				315				320		
Ser	Gly	Ser	Val	Arg	Leu	Gln	Ile	Ser	Thr	Pro	Asp	Ile	Lys	Asp	Asn		
				325			330				335						
Ile	Val	Ala	Gln	Leu	Lys	Gln	Leu	Tyr	Arg	Ile	Leu	Gln	Thr	Gln	Glu		
				340			345				350						
Ser	Trp	Gln	Pro	Met	Gln	Pro	Thr	Pro	Ser	Met	Gln	Leu	Pro	Pro	Ala		
				355			360				365						
Leu	Pro	Pro	Gln	Xaa													
				370													

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<220>
<221> SITE
<222> (83)
<223> Xaa equals stop translation
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<210> 376
<211> 97
<212> PRT
<213> Homo sapiens
```

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<400> 376
Met Thr Lys Lys Lys Arg Glu Asn Leu Gly Val Ala Leu Glu Ile Asp
  1             5             10             15

Gly Leu Glu Glu Lys Leu Ser Gln Cys Arg Arg Asp Leu Glu Ala Val
      20             25             30

Asn Ser Arg Leu His Ser Arg Glu Leu Ser Pro Glu Ala Arg Arg Ser
      35             40             45

Leu Glu Lys Glu Lys Asn Ser Leu Met Asn Lys Ala Ser Asn Tyr Glu
      50             55             60

Lys Glu Leu Lys Phe Leu Arg Gln Glu Asn Arg Lys Asn Met Leu Leu
      65             70             75             80

Ser Val Ala Ile Phe Ile Leu Leu Thr Leu Val Tyr Ala Tyr Trp Thr
      85             90             95

Met

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<400> 377
Met Gly Ala Ser Ala Arg Leu Leu Arg Ala Val Ile Met Gly Ala Pro
  1           5           10           15
Gly Ser Gly Lys Gly Thr Val Ser Ser Arg Ile Thr Thr His Phe Glu
          20           25           30
Leu Lys His Leu Ser Ser Gly Asp Leu Leu Arg Asp Asn Met Leu Arg
          35           40           45
Gly Thr Glu Ile Gly Val Leu Ala Lys Ala Phe Ile Asp Gln Gly Lys
  50           55           60
Leu Ile Pro Asp Asp Val Met Thr Arg Leu Ala Leu His Glu Leu Lys
  65           70           75           80
Asn Leu Thr Gln Tyr Ser Trp Leu Leu Asp Gly Phe Pro Arg Thr Leu
          85           90           95
Pro Gln Ala Glu Ala Leu Asp Arg Ala Tyr Gln Ile Asp Thr Val Ile
          100          105          110
Asn Leu Asn Val Pro Phe Glu Val Ile Lys Gln Arg Leu Thr Ala Arg
          115          120          125
Trp Ile His Pro Ala Ser Gly Arg Val Tyr Asn Ile Glu Phe Asn Pro
          130          135          140
Pro Lys Thr Val Gly Ile Asp Asp Leu Thr Gly Glu Pro Leu Ile Gln
          145          150          155          160
Arg Glu Asp Asp Lys Pro Glu Thr Val Ile Lys Arg Leu Lys Ala Tyr
          165          170          175
Glu Asp Gln Thr Lys Pro Val Leu Glu Tyr Tyr Gln Lys Lys Gly Val
          180          185          190
Leu Glu Thr Phe Ser Gly Thr Glu Thr Asn Lys Ile Trp Pro Tyr Val
          195          200          205
Tyr Ala Phe Leu Gln Thr Lys Val Pro Gln Arg Ser Gln Lys Ala Ser
          210          215          220
Val Thr Pro
225

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<220>

<221> SITE  
 <222> (79)  
 <223> Xaa equals stop translation

<400> 378  
 Met Phe Leu Asn Cys Glu Ile Leu Glu Tyr Cys Tyr Tyr Leu Thr Gln  
   1                  5                  10                  15  
 Leu Lys Ile Ser Met Gly Lys Tyr Leu Ser Ile Pro Thr Val Leu Leu  
                   20                  25                  30  
 Lys Ile Ile Arg Cys Ser Ile Thr Ala Val Ser Asp Ser Ser Thr Ser  
           35                  40                  45  
 Trp Ala Ile Lys Ala Gln Leu Lys Ile Glu Asn Lys Asp Leu Asp Asn  
       50                  55                  60  
 Lys Thr Ala Lys Gly Gly Gly Gln Glu Ala Leu Thr Cys Thr Xaa  
   65                  70                  75

<210> 379  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 379  
 Met Arg Ala Val Phe Pro Cys Cys Pro Phe Leu Thr Leu Met Leu Pro  
   1                  5                  10                  15  
 Leu Leu Glu Cys Leu Val Gly Met Ile Met Cys Tyr Leu Gly Ile Ser  
           20                  25                  30  
 Phe Thr Asp Thr Arg Lys Thr Ala Gly Leu Lys Lys Lys Lys Lys Lys  
       35                  40                  45  
 Lys Xaa Xaa  
   50

<210> 380  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (61)

000001 064001

<223> Xaa equals stop translation

<400> 380

Met Phe Leu Met Arg Met His Leu Cys Phe Cys Lys Tyr Cys Cys Ser  
1 5 10 15

Phe Ile Val Thr Pro Thr Ser Thr Ser Asn Thr Ala Ser Tyr Leu Trp  
20 25 30

Pro Trp Ile Ser Ala Ser Met Ala Gly Arg Gly Ser Ser Trp Ala Cys  
35 40 45

Thr Leu Asn Ala Val Thr Arg Glu Gly Leu Pro Glu Xaa  
50 55 60

<210> 381

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 381

Met Ser Leu Leu Asn Thr His Thr Leu Cys Phe Val Leu Phe Cys Phe  
1 5 10 15

Thr Leu Ser Ile Asn Gln Glu Lys Leu Ala Asn His Leu Ala Phe Arg  
20 25 30

Ile Leu Phe Phe Ile Val Phe Xaa  
35 40

<210> 382

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals stop translation

<400> 382

Met Cys Ser Gly Gln Ser Gln Val Trp Lys Met Ala Leu Gln Ala Leu  
1 5 10 15

Asp Ser Glu Thr Val Val Ile Leu Pro Asp Met His Leu Ile Leu Ser  
20 25 30

Leu Arg Leu Ile His Asn Ala Arg Pro Cys Leu Xaa  
35 40

000001.000001

<400> 384  
Met Leu Pro Arg Arg Thr Phe Tyr Phe Tyr Phe Ile Phe Ile Phe Phe

1                    5                    10                    15  
 Leu Ala Ser Phe Trp Gly Phe Thr Leu Arg Ala Ser Phe  
                   20                    25

<210> 385  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (136)  
 <223> Xaa equals stop translation

<400> 385  
 Met Phe Asp Ser Leu Ser Tyr Phe Lys Gly Ser Ser Leu Leu Leu Met  
   1                    5                    10                    15  
 Leu Lys Thr Tyr Leu Ser Glu Asp Val Phe Gln His Ala Val Val Leu  
                   20                    25                    30  
 Tyr Leu His Asn His Ser Tyr Ala Ser Ile Gln Ser Asp Asp Leu Trp  
                   35                    40                    45  
 Asp Ser Phe Asn Glu Val Thr Asn Gln Thr Leu Asp Val Lys Arg Met  
                   50                    55                    60  
 Met Lys Thr Trp Thr Leu Gln Lys Gly Phe Pro Leu Val Thr Val Gln  
                   65                    70                    75                    80  
 Lys Lys Gly Lys Glu Leu Phe Ile Gln Gln Glu Arg Phe Phe Leu Asn  
                   85                    90                    95  
 Met Lys Pro Glu Ile Gln Pro Ser Asp Thr Arg Tyr Met Pro Ser Phe  
                   100                    105                    110  
 Phe Ser Cys His Leu Phe Cys Thr Leu Arg Trp Lys Tyr Phe Glu Val  
                   115                    120                    125  
 Phe Tyr Asn His Lys Phe Leu Xaa  
                   130                    135

<210> 386  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 386  
 Met Ala Trp Arg Arg Arg Glu Pro Ala Ser Gly Leu Ala Ala Cys Trp  
   1                    5                    10                    15  
 Leu Trp Arg Cys Ser Pro Trp Pro Cys Ala Cys Pro Gly Pro Gly Ala  
                   20                    25                    30  
 Gly Leu Ser Ser Gly Ser Arg Pro Trp

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35

40

<210> 387  
 <211> 468  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (468)  
 <223> Xaa equals stop translation

<400> 387

Met	Glu	Phe	Leu	Lys	Val	Ala	Arg	Arg	Asn	Lys	Arg	Glu	Gln	Leu	Glu	1	5	10	15
Gln	Ile	Gln	Lys	Glu	Leu	Ser	Val	Leu	Glu	Glu	Asp	Ile	Lys	Arg	Val	20	25	30	
Glu	Glu	Met	Ser	Gly	Leu	Tyr	Ser	Pro	Val	Ser	Glu	Asp	Ser	Thr	Val	35	40	45	
Pro	Gln	Phe	Glu	Ala	Pro	Ser	Pro	Ser	His	Ser	Ser	Ile	Ile	Asp	Ser	50	55	60	
Thr	Glu	Tyr	Ser	Gln	Pro	Pro	Gly	Phe	Ser	Gly	Ser	Ser	Gln	Thr	Lys	65	70	75	80
Lys	Gln	Pro	Trp	Tyr	Asn	Ser	Thr	Leu	Ala	Ser	Arg	Arg	Lys	Arg	Leu	85	90	95	
Thr	Ala	His	Phe	Glu	Asp	Leu	Glu	Gln	Cys	Tyr	Phe	Ser	Thr	Arg	Met	100	105	110	
Ser	Arg	Ile	Ser	Asp	Asp	Ser	Arg	Thr	Ala	Ser	Gln	Leu	Asp	Glu	Phe	115	120	125	
Gln	Glu	Cys	Leu	Ser	Lys	Phe	Thr	Arg	Tyr	Asn	Ser	Val	Arg	Pro	Leu	130	135	140	
Ala	Thr	Leu	Ser	Tyr	Ala	Ser	Asp	Leu	Tyr	Asn	Gly	Ser	Ser	Ile	Val	145	150	155	160
Ser	Ser	Ile	Glu	Phe	Asp	Arg	Asp	Cys	Asp	Tyr	Phe	Ala	Ile	Ala	Gly	165	170	175	
Val	Thr	Lys	Lys	Ile	Lys	Val	Tyr	Glu	Tyr	Asp	Thr	Val	Ile	Gln	Asp	180	185	190	
Ala	Val	Asp	Ile	His	Tyr	Pro	Glu	Asn	Glu	Met	Thr	Cys	Asn	Ser	Lys	195	200	205	
Ile	Ser	Cys	Ile	Ser	Trp	Ser	Ser	Tyr	His	Lys	Asn	Leu	Leu	Ala	Ser	210	215	220	
Ser	Asp	Tyr	Glu	Gly	Thr	Val	Ile	Leu	Trp	Asp	Gly	Phe	Thr	Gly	Gln	225	230	235	240

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 1001190-126650

Arg Ser Lys Val Tyr Gln Glu His Glu Lys Arg Cys Trp Ser Val Asp  
 245 250 255  
 Phe Asn Leu Met Asp Pro Lys Leu Leu Ala Ser Gly Ser Asp Asp Ala  
 260 265 270  
 Lys Val Lys Leu Trp Ser Thr Asn Leu Asp Asn Ser Val Ala Ser Ile  
 275 280 285  
 Glu Ala Lys Ala Asn Val Cys Cys Val Lys Phe Ser Pro Ser Ser Arg  
 290 295 300  
 Tyr His Leu Ala Phe Gly Cys Ala Asp His Cys Val His Tyr Tyr Asp  
 305 310 315 320  
 Leu Arg Asn Thr Lys Gln Pro Ile Met Val Phe Lys Gly His Arg Lys  
 325 330 335  
 Ala Val Ser Tyr Ala Lys Phe Val Ser Gly Glu Glu Ile Val Ser Ala  
 340 345 350  
 Ser Thr Asp Ser Gln Leu Lys Leu Trp Asn Val Gly Lys Pro Tyr Cys  
 355 360 365  
 Leu Arg Ser Phe Lys Gly His Ile Asn Glu Lys Asn Phe Val Gly Leu  
 370 375 380  
 Ala Ser Asn Gly Asp Tyr Ile Ala Cys Gly Ser Glu Asn Asn Ser Leu  
 385 390 395 400  
 Tyr Leu Tyr Tyr Lys Gly Leu Ser Lys Thr Leu Leu Thr Phe Lys Phe  
 405 410 415  
 Asp Thr Val Lys Ser Val Leu Asp Lys Asp Arg Lys Glu Asp Asp Thr  
 420 425 430  
 Asn Glu Phe Val Ser Ala Val Cys Trp Arg Ala Leu Pro Asp Gly Glu  
 435 440 445  
 Ser Asn Val Leu Ile Ala Ala Asn Ser Gln Gly Thr Ile Lys Val Leu  
 450 455 460  
 Glu Leu Val Xaa  
 465

<210> 388  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 388  
 Met Arg Lys Glu Asp Gly Phe Trp Phe Phe Phe Phe Leu Phe Phe Phe  
 1 5 10 15

Val Val Gly Ser Lys Phe Val Asn Gly Asn Lys Leu Val  
 20 25

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (73)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 391  
 Met Ser Cys Phe Ile Asp Ser Xaa Asp Ser Lys Ile Leu His Leu Leu  
     1                    5                    10                    15  
 Val Val Ser Phe Ile Cys Xaa Leu Phe Leu Leu Ile Leu Thr His Gly  
                     20                    25                    30  
 Ile Leu Ile Leu Arg Xaa Phe Phe Ser Val Xaa Xaa His Ser Leu Lys  
                     35                    40                    45  
 Asn Asn Leu Glu Glu Tyr Leu Ile Leu Met Asn Lys Ala Leu Leu Thr  
     50                    55                    60  
 Arg Glu Asp Phe Phe Val Leu Pro Xaa Ala  
     65                    70

<210> 392  
 <211> 521  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (521)  
 <223> Xaa equals stop translation

<400> 392  
 Met Ser Ala Gly Glu Val Glu Arg Leu Val Ser Glu Leu Ser Gly Gly  
     1                    5                    10                    15  
 Thr Gly Gly Asp Glu Glu Glu Glu Trp Leu Tyr Gly Asp Glu Asn Glu

20										25					30				
Val	Glu	Arg	Pro	Glu	Glu	Glu	Asn	Ala	Ser	Ala	Asn	Pro	Pro	Ser	Gly				
		35						40				45							
Ile	Glu	Asp	Glu	Thr	Ala	Glu	Asn	Gly	Val	Pro	Lys	Pro	Lys	Val	Thr				
	50					55					60								
Glu	Thr	Glu	Asp	Asp	Ser	Asp	Ser	Asp	Ser	Asp	Asp	Asp	Glu	Asp	Asp				
	65				70					75					80				
Val	His	Val	Thr	Ile	Gly	Asp	Ile	Lys	Thr	Gly	Ala	Pro	Gln	Tyr	Gly				
				85				90						95					
Ser	Tyr	Gly	Thr	Ala	Pro	Val	Asn	Leu	Asn	Ile	Lys	Thr	Gly	Gly	Arg				
			100					105					110						
Val	Tyr	Gly	Thr	Thr	Gly	Thr	Lys	Val	Lys	Gly	Val	Asp	Leu	Asp	Ala				
		115					120					125							
Pro	Gly	Ser	Ile	Asn	Gly	Val	Pro	Leu	Leu	Glu	Val	Asp	Leu	Asp	Ser				
	130					135					140								
Phe	Glu	Asp	Lys	Pro	Trp	Arg	Lys	Pro	Gly	Ala	Asp	Leu	Ser	Asp	Tyr				
	145				150					155					160				
Phe	Asn	Tyr	Gly	Phe	Asn	Glu	Asp	Thr	Trp	Lys	Ala	Tyr	Cys	Glu	Lys				
				165					170					175					
Gln	Lys	Arg	Ile	Arg	Met	Gly	Leu	Glu	Val	Ile	Pro	Val	Thr	Ser	Thr				
			180					185					190						
Thr	Asn	Lys	Ile	Thr	Val	Gln	Gln	Gly	Arg	Thr	Gly	Asn	Ser	Glu	Lys				
		195				200						205							
Glu	Thr	Ala	Leu	Pro	Ser	Thr	Lys	Ala	Glu	Phe	Thr	Ser	Pro	Pro	Ser				
	210					215					220								
Leu	Phe	Lys	Thr	Gly	Leu	Pro	Pro	Ser	Arg	Arg	Leu	Pro	Gly	Ala	Ile				
	225				230					235					240				
Asp	Val	Ile	Gly	Gln	Thr	Ile	Thr	Ile	Ser	Arg	Val	Glu	Gly	Arg	Arg				
			245						250				255						
Arg	Ala	Asn	Glu	Asn	Ser	Asn	Ile	Gln	Val	Leu	Ser	Glu	Arg	Ser	Ala				
		260						265					270						
Thr	Glu	Val	Asp	Asn	Asn	Phe	Ser	Lys	Pro	Pro	Pro	Phe	Phe	Pro	Pro				
		275				280						285							
Gly	Ala	Pro	Pro	Thr	His	Leu	Pro	Pro	Pro	Pro	Phe	Leu	Pro	Pro	Pro				
	290					295					300								
Pro	Thr	Val	Ser	Thr	Ala	Pro	Pro	Leu	Ile	Pro	Pro	Pro	Gly	Phe	Pro				
	305				310					315					320				
Pro	Pro	Pro	Gly	Ala	Pro	Pro	Pro	Ser	Leu	Ile	Pro	Thr	Ile	Glu	Ser				
			325					330						335					

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Gly His Ser Ser Gly Tyr Asp Ser Arg Ser Ala Arg Ala Phe Pro Tyr  
340 345 350

Gly Asn Val Ala Phe Pro His Leu Pro Gly Ser Ala Pro Ser Trp Pro  
355 360 365

Ser Leu Val Asp Thr Ser Lys Gln Trp Asp Tyr Tyr Ala Arg Arg Glu  
370 375 380

Lys Asp Arg Asp Arg Glu Arg Asp Arg Asp Arg Glu Arg Asp Arg Asp  
385 390 395 400

Arg Asp Arg Glu Arg Glu Arg Thr Arg Glu Arg Glu Arg Glu Arg Asp  
405 410 415

His Ser Pro Thr Pro Ser Val Phe Asn Ser Asp Glu Glu Arg Tyr Arg  
420 425 430

Tyr Arg Glu Tyr Ala Glu Arg Gly Tyr Glu Arg His Arg Ala Ser Arg  
435 440 445

Glu Lys Glu Glu Arg His Arg Glu Arg Arg His Arg Glu Lys Glu Glu  
450 455 460

Thr Arg His Lys Ser Ser Arg Ser Asn Ser Arg Arg Arg His Glu Ser  
465 470 475 480

Glu Glu Gly Asp Ser His Arg Arg His Lys His Lys Lys Ser Lys Arg  
485 490 495

Ser Lys Glu Gly Lys Glu Ala Gly Ser Glu Pro Ala Pro Glu Gln Glu  
500 505 510

Ser Thr Glu Ala Thr Pro Ala Glu Xaa  
515 520

<210> 393

<211> 137

<212> PRT

<213> Homo sapiens

<400> 393

Met Asn Ser Arg Gly Ile Trp Leu Ala Tyr Ile Ile Leu Val Gly Leu  
1 5 10 15

Leu His Met Val Leu Leu Ser Ile Pro Phe Phe Ser Ile Pro Val Val  
20 25 30

Trp Thr Leu Thr Asn Val Ile His Asn Leu Ala Thr Tyr Val Phe Leu  
35 40 45

His Thr Val Lys Gly Thr Pro Phe Glu Thr Pro Asp Gln Gly Lys Ala  
50 55 60

Arg Leu Leu Thr His Trp Glu Gln Met Asp Tyr Gly Leu Gln Phe Thr  
65 70 75 80

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T08T90.T228850

Ser Ser Arg Lys Phe Leu Ser Ile Ser Pro Ile Val Leu Tyr Leu Leu  
                   85                                  90                                  95

Ala Ser Phe Tyr Thr Lys Tyr Asp Ala Ala His Phe Leu Ile Asn Thr  
                   100                                  105                                  110

Ala Ser Leu Leu Ser Val Leu Leu Pro Lys Leu Pro Gln Phe His Gly  
                   115                                  120                                  125

Val Arg Val Phe Gly Ile Asn Lys Tyr  
           130                                  135

<210> 394

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (186)

<223> Xaa equals stop translation

<400> 394

Met Ala Ala Gln Lys Asp Gln Gln Lys Asp Ala Glu Ala Glu Gly Leu  
   1                  5                                  10                                  15

Ser Gly Thr Thr Leu Leu Pro Lys Leu Ile Pro Ser Gly Ala Gly Arg  
                   20                                  25                                  30

Glu Trp Leu Glu Arg Arg Arg Ala Thr Ile Arg Pro Trp Ser Thr Phe  
           35                                  40                                  45

Val Asp Gln Gln Arg Phe Ser Arg Pro Arg Asn Leu Gly Glu Leu Cys  
           50                                  55                                  60

Gln Arg Leu Val Arg Asn Val Glu Tyr Tyr Gln Ser Asn Tyr Val Phe  
           65                                  70                                  75                                  80

Val Phe Leu Gly Leu Ile Leu Tyr Cys Val Val Thr Ser Pro Met Leu  
                   85                                  90                                  95

Leu Val Ala Leu Ala Val Phe Phe Gly Ala Cys Tyr Ile Leu Tyr Leu  
           100                                  105                                  110

Arg Thr Leu Glu Ser Lys Leu Val Leu Phe Gly Arg Glu Val Ser Pro  
           115                                  120                                  125

Ala His Gln Tyr Ala Leu Ala Gly Gly Ile Ser Phe Pro Phe Phe Trp  
           130                                  135                                  140

Leu Ala Gly Ala Gly Ser Ala Val Phe Trp Val Leu Gly Ala Thr Leu  
           145                                  150                                  155                                  160

Val Val Ile Gly Ser His Ala Ala Phe His Gln Ile Glu Ala Val Asp  
                   165                                  170                                  175

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Gly Glu Glu Leu Gln Met Glu Pro Val Xaa  
 180 185

<210> 395  
 <211> 1  
 <212> PRT  
 <213> Homo sapiens

<400> 395  
 Met  
 1

<210> 396  
 <211> 299  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (299)  
 <223> Xaa equals stop translation

<400> 396  
 Met Leu Ser Ile Phe Tyr Phe Ala Ile Pro Val Gly Ser Gly Leu Gly  
 1 5 10 15  
 Tyr Ile Ala Gly Ser Lys Val Lys Asp Met Ala Gly Asp Trp His Trp  
 20 25 30  
 Ala Leu Arg Val Thr Pro Gly Leu Gly Val Val Ala Val Leu Leu Leu  
 35 40 45  
 Phe Leu Val Val Arg Glu Pro Pro Arg Gly Ala Val Glu Arg His Ser  
 50 55 60  
 Asp Leu Pro Pro Leu Asn Pro Thr Ser Trp Trp Ala Asp Leu Arg Ala  
 65 70 75 80  
 Leu Ala Arg Asn Pro Ser Phe Val Leu Ser Ser Leu Gly Phe Thr Ala  
 85 90 95  
 Val Ala Phe Val Thr Gly Ser Leu Ala Leu Trp Ala Pro Ala Phe Leu  
 100 105 110  
 Leu Arg Ser Arg Val Val Leu Gly Glu Thr Pro Pro Cys Leu Pro Gly  
 115 120 125  
 Asp Ser Cys Ser Ser Ser Asp Ser Leu Ile Phe Gly Leu Ile Thr Cys  
 130 135 140  
 Leu Thr Gly Val Leu Gly Val Gly Leu Gly Val Glu Ile Ser Arg Arg  
 145 150 155 160  
 Leu Arg His Ser Asn Pro Arg Ala Asp Pro Leu Val Cys Ala Thr Gly  
 165 170 175

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<400> 398
Met Tyr Val Asn Tyr Gly Thr Arg Asn Tyr Ser Thr Glu Gly Pro Ala
  1             5             10             15
```



<220>  
 <221> SITE  
 <222> (126)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (177)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (180)  
 <223> Xaa equals stop translation

<400> 401

Met	Ala	Gln	Ser	Arg	Asp	Gly	Gly	Asn	Pro	Phe	Ala	Glu	Pro	Ser	Glu	1	5	10	15
Leu	Asp	Asn	Pro	Phe	Gln	Asp	Pro	Ala	Val	Ile	Gln	His	Arg	Pro	Ser	20	25	30	
Arg	Gln	Tyr	Ala	Thr	Leu	Asp	Val	Tyr	Asn	Pro	Phe	Glu	Thr	Arg	Glu	35	40	45	
Pro	Pro	Pro	Ala	Tyr	Glu	Pro	Pro	Ala	Pro	Ala	Pro	Leu	Pro	Pro	Pro	50	55	60	
Ser	Ala	Pro	Ser	Leu	Gln	Pro	Ser	Arg	Lys	Leu	Ser	Pro	Thr	Glu	Pro	65	70	75	80
Lys	Asn	Tyr	Gly	Ser	Tyr	Ser	Thr	Gln	Ala	Ser	Ala	Ala	Ala	Ala	Thr	85	90	95	
Ala	Glu	Leu	Leu	Lys	Lys	Gln	Glu	Glu	Leu	Asn	Arg	Lys	Ala	Glu	Glu	100	105	110	
Leu	Asp	Arg	Arg	Ser	Glu	Ser	Cys	Ser	Met	Leu	Pro	Trp	Xaa	Ala	Gln	115	120	125	
Leu	Leu	Asp	Arg	Thr	Ile	Gly	Pro	Leu	Tyr	Leu	Leu	Phe	Val	Gln	Phe	130	135	140	
Ser	Pro	Ala	Phe	Ser	Arg	Thr	Ser	Pro	Trp	Arg	Ser	Pro	Lys	Asn	Phe	145	150	155	160
Arg	Arg	Leu	Tyr	Pro	Pro	Cys	Thr	Thr	Ser	Gly	Cys	Ala	Ala	Arg	Trp	165	170	175	
Xaa	Phe	Ser	Xaa													180			

<210> 402  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

090321 061801  
 12121901

Met Pro Thr Pro Cys Thr Ser Leu Pro Ser Cys Cys Gln His Arg Ser  
1 5 10 15

Met Pro Leu Phe Ile Pro Leu Ile Phe Phe Leu Ser Leu Leu His Cys  
1 5 10 15

Phe Ser Val His Leu Gln Ser Ser Gln Arg Pro Ser  
50 55 60

Met Ala Gly Pro Arg Pro Xaa Trp Arg Asp Gln Leu Leu Phe Met Ser  
1 5 10 15

Ala Pro Gln Pro Leu Leu Leu Ala Gln Cys Asn Ser Asp Glu Arg Ala  
100 105 110

$\langle 2\bar{2}0 \rangle$

&lt;221&gt; SITE

&lt;222&gt; (480)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 405

Met	Ser	Asp	Gly	Phe	Asp	Arg	Ala	Pro	Gly	Ala	Gly	Arg	Gly	Arg	Xaa
1				5					10					15	

Arg	Gly	Leu	Gly	Arg	Gly	Gly	Gly	Gly	Pro	Xaa	Gly	Gly	Gly	Phe	Pro
		20					25						30		

Xaa	Gly	Xaa	Xaa	Pro	Ala	Glu	Arg	Xaa	Arg	His	Gln	Pro	Pro	Gln	Pro
	35						40					45			

Lys	Ala	Pro	Gly	Phe	Leu	Gln	Pro	Xaa	Pro	Leu	Arg	Gln	Pro	Arg	Thr
	50					55					60				

Thr	Pro	Pro	Pro	Gly	Ala	Gln	Cys	Glu	Val	Pro	Ala	Ser	Pro	Gln	Arg
65					70					75					80

Pro	Ser	Arg	Pro	Gly	Ala	Leu	Pro	Glu	Gln	Thr	Arg	Pro	Leu	Arg	Ala
				85					90					95	

Pro	Pro	Ser	Ser	Gln	Asp	Lys	Ile	Pro	Gln	Gln	Asn	Ser	Glu	Ser	Ala
				100				105					110		

Met	Ala	Lys	Pro	Gln	Val	Val	Val	Ala	Pro	Val	Leu	Met	Ser	Lys	Leu
		115					120					125			

Ser	Val	Asn	Ala	Pro	Glu	Phe	Tyr	Pro	Ser	Gly	Tyr	Ser	Ser	Ser	Tyr
	130					135					140				

Thr	Glu	Ser	Tyr	Glu	Asp	Gly	Cys	Glu	Asp	Tyr	Pro	Thr	Leu	Ser	Glu
145				150						155					160

Tyr	Val	Gln	Asp	Phe	Leu	Asn	His	Leu	Thr	Glu	Gln	Pro	Gly	Ser	Phe
				165					170					175	

Glu	Thr	Glu	Ile	Glu	Gln	Phe	Ala	Glu	Thr	Leu	Asn	Gly	Cys	Val	Thr
		180						185					190		

Thr	Asp	Asp	Ala	Leu	Gln	Glu	Leu	Val	Glu	Leu	Ile	Tyr	Gln	Gln	Ala
	195					200						205			

Thr	Ser	Ile	Pro	Asn	Phe	Ser	Tyr	Met	Gly	Ala	Arg	Leu	Cys	Asn	Tyr
	210				215						220				

Leu	Ser	His	His	Leu	Thr	Ile	Ser	Pro	Gln	Ser	Gly	Asn	Phe	Arg	Gln
225				230						235					240

Leu	Leu	Leu	Gln	Arg	Cys	Arg	Thr	Glu	Tyr	Glu	Val	Lys	Asp	Gln	Ala
			245					250						255	

Ala	Lys	Gly	Asp	Glu	Val	Thr	Arg	Lys	Arg	Phe	His	Ala	Phe	Val	Leu
			260					265					270		

Phe	Leu	Gly	Glu	Leu	Tyr	Leu	Asn	Leu	Glu	Ile	Lys	Gly	Thr	Asn	Gly
	275					280						285			

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<210> 406
<211> 193
<212> PRT
<213> Homo sapiens
```

Met Lys Thr Leu Ile Val Ala Val Leu Leu Ala Gly Val Val Pro Leu  
1 5 10 15

Leu Leu Gly Leu Leu Phe Glu Leu Val Ile Val Ala Pro Leu Arg Val  
20 25 30

Pro Leu Asp Gln Thr Pro Leu Phe Tyr Pro Trp Gln Asp Trp Ala Leu  
35 40 45

Gly Val Leu His Ala Lys Ile Ile Ala Ala Ile Thr Leu Met Gly Pro  
50 55 60

Gln Trp Trp Leu Lys Thr Val Ile Glu Gln Val Tyr Ala Asn Gly Ile  
 65 70 75 80  
 Arg Asn Ile Asp Leu His Tyr Ile Val Arg Lys Leu Ala Ala Pro Val  
 85 90 95  
 Ile Ser Val Leu Leu Leu Ser Leu Cys Val Pro Tyr Val Ile Ala Ser  
 100 105 110  
 Gly Val Val Pro Leu Leu Gly Val Thr Ala Glu Met Gln Asn Leu Val  
 115 120 125  
 His Arg Arg Ile Tyr Pro Phe Leu Leu Met Val Val Val Leu Met Ala  
 130 135 140  
 Ile Leu Ser Phe Gln Val Arg Gln Phe Lys Arg Leu Tyr Glu His Ile  
 145 150 155 160  
 Lys Asn Asp Lys Tyr Leu Val Gly Gln Arg Leu Val Asn Tyr Glu Arg  
 165 170 175  
 Lys Ser Gly Lys Gln Gly Ser Ser Pro Pro Pro Gln Ser Ser Gln  
 180 185 190

Glu

<210> 407  
 <211> 78  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (78)  
 <223> Xaa equals stop translation

<400> 407  
 Met Leu Arg Leu Asp Ile Ile Asn Ser Leu Val Thr Thr Val Phe Met  
 1 5 10 15  
 Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr Thr Thr Leu Thr  
 20 25 30  
 Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val Cys Cys Leu Ala  
 35 40 45  
 Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn Pro Ser Gly Pro  
 50 55 60  
 Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu Val Leu Xaa  
 65 70 75

<210> 408  
 <211> 74

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<400> 410
Met Pro Leu Pro Ser Val Pro Ile Leu Gly Ile Phe Ser Phe Leu Ile
  1             5             10             15

Pro Ser Ser Gln Gly Val Ser Tyr Thr Lys Leu Pro Ile Ser Ser Pro
      20             25             30

Gln Tyr Ser Pro Phe Val Asn Asp His Phe Ser Phe Leu Asn Pro Phe
      35             40             45

Pro Val Gln Ile His Thr Gly Phe Ala Arg Val Gly Ser Tyr Met Gln
  50             55             60

Met Pro Leu Val His Leu Cys Leu Leu Gln Thr Ser Leu Met Lys Asn
  65             70             75             80

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Ser Gly Val Gln Gln Gly Ser  
85

<210> 411  
<211> 92  
<212> PRT  
<213> Homo sapiens

<400> 411  
Met Asn Ala Ala Met Val His Ile Asn Arg Ala Leu Lys Leu Ile Ile  
1 5 10 15  
Arg Leu Phe Leu Val Glu Asp Leu Val Asp Ser Leu Lys Leu Ala Val  
20 25 30  
Phe Met Trp Leu Met Thr Tyr Val Gly Ala Val Phe Asn Gly Ile Thr  
35 40 45  
Leu Leu Ile Leu Ala Glu Leu Leu Ile Phe Ser Val Pro Ile Val Tyr  
50 55 60  
Glu Lys Tyr Lys Thr Gln Ile Asp His Tyr Val Gly Ile Ala Arg Asp  
65 70 75 80  
Gln Thr Lys Ser Ile Val Glu Lys Ile Pro Ser Lys  
85 90

<210> 412  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 412  
Met Ala Cys Ser Cys Leu Met Ile Gln Ser Phe Ser Thr Ser Ala Leu  
1 5 10 15  
Val Leu Phe Tyr Gly  
20

<210> 413  
<211> 174  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (143)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (174)  
<223> Xaa equals stop translation

0598274 051301  
T08F50

&lt;400&gt; 413

Met Glu Glu Gly Gly Asn Leu Gly Gly Leu Ile Lys Met Val His Leu  
 1 5 10 15

Leu Val Leu Ser Gly Ala Trp Gly Met Gln Met Trp Val Thr Phe Val  
 20 25 30

Ser Gly Phe Pro Ala Phe Pro Lys Pro Ser Pro Thr Tyr Leu Arg Thr  
 35 40 45

Ser Ala Glu Gln Thr Leu Pro Leu Leu Leu Pro His Leu His Gly Leu  
 50 55 60

Cys Leu His Gln Pro Leu His Leu Gly Phe Thr Ala Cys Leu Gly Ser  
 65 70 75 80

Ala His Ile Leu Gly Gly Gln Pro Ala Leu Pro Ala Val Pro Glu Pro  
 85 90 95

Tyr Ala Gly His Cys Gln Arg Pro Leu Ala Gly Thr Pro His His Ser  
 100 105 110

Cys His Val Gly Pro Ala Asn Arg Gly Arg Arg Ser Glu Ala Trp Val  
 115 120 125

Gly Arg Tyr Gln Ala Ala Asn Arg Phe Pro Ile Leu Asn Ala Xaa Cys  
 130 135 140

Glu Arg Arg Thr Pro Ser Thr Val Leu Ser Ala Arg Ile Ser Ser Ala  
 145 150 155 160

Thr Met Gly Cys Pro Leu Phe Ala Ile Trp Ala Ala Ser Xaa  
 165 170

&lt;210&gt; 414

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 414

Met Ala Phe Ile Leu Leu Phe Tyr Cys Leu Met Thr Phe Leu Ser Leu  
 1 5 10 15

Glu Gln Asn Ser Ala Thr Val Glu Pro Ser Ser His Glu Ile Leu His  
 20 25 30

Leu Leu Gln Asn Cys Phe Glu Leu Leu Arg Thr Ser Thr Ser Gln Cys  
 35 40 45

Thr Glu Gly Ile Pro Cys Gln Arg Tyr Gln Asn Gly Leu His Ile Xaa  
 50 55 60

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 108790" T. 228860

<210> 415  
 <211> 280  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (280)  
 <223> Xaa equals stop translation

<400> 415

Met Glu Ala Val Val Asn Leu Tyr Gln Glu Val Met Lys His Ala Asp  
 1 5 10 15

Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser Pro Leu Leu Met Thr  
 20 25 30

Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu Ser Leu Gly Pro Arg  
 35 40 45

Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg Gly Phe Met Ile Val  
 50 55 60

Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr Ile Val Tyr Glu Phe  
 65 70 75 80

Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr Trp Arg Cys Asp Pro Val  
 85 90 95

Asp Tyr Ser Asn Ser Pro Glu Ala Leu Arg Met Val Arg Val Ala Trp  
 100 105 110

Leu Phe Leu Phe Ser Lys Phe Ile Glu Leu Met Asp Thr Val Ile Phe  
 115 120 125

Ile Leu Arg Lys Lys Asp Gly Gln Val Thr Phe Leu His Val Phe His  
 130 135 140

His Ser Val Leu Pro Trp Ser Trp Trp Trp Gly Val Lys Ile Ala Pro  
 145 150 155 160

Gly Gly Met Gly Ser Phe His Ala Met Ile Asn Ser Ser Val His Val  
 165 170 175

Ile Met Tyr Leu Tyr Tyr Gly Leu Ser Ala Phe Gly Pro Val Ala Gln  
 180 185 190

Pro Tyr Leu Trp Trp Lys Lys His Met Thr Ala Ile Gln Leu Ile Gln  
 195 200 205

Phe Val Leu Val Ser Leu His Ile Ser Gln Tyr Tyr Phe Met Ser Ser  
 210 215 220

Cys Asn Tyr Gln Tyr Pro Val Ile Ile His Leu Ile Trp Met Tyr Gly

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Ser Val Arg Trp Ile Ser Tyr Lys Leu Val Ser Glu Met Val Lys Lys

130	135	140
Leu His Ala Ala Thr Pro Pro Thr Phe Gly Val Asp Leu Ile Asn Glu		
145	150	155 160
Leu Val Glu Asn Phe Gly Arg Cys Pro Lys Trp Ser Gly Arg Gln Ala		
	165	170 175
Phe Val Phe Val Cys Gln Thr Val Ile Glu Asp Asp Cys Leu Pro Met		
	180	185 190
Asp Gln Phe Ala Val His Leu Met Pro His Leu Leu Thr Leu Ala Asn		
	195	200 205
Asp Arg Val Pro Asn Val Arg Val Leu Leu Ala Lys Thr Leu Arg Gln		
	210	215 220
Thr Leu Leu Glu Lys Asp Tyr Phe Leu Ala Ser Ala Ser Cys His Gln		
	225	230 235 240
Glu Ala Val Glu Gln Thr Ile Met Ala Leu Gln Met Asp Arg Asp Ser		
	245	250 255
Asp Val Lys Tyr Phe Ala Ser Ile His Pro Ala Ser Thr Lys Ile Ser		
	260	265 270
Glu Asp Ala Met Ser Thr Ala Ser Ser Thr Tyr Xaa		
	275	280

<210> 417  
 <211> 187  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (144)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (145)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 417  
 Met Leu Phe Leu Phe Phe Val Ile Ile Phe Leu Phe Val Phe Leu Ile  
 1 5 10 15  
 Leu Ile Ile Gln Phe Ser Lys Pro Leu Thr Asn Pro His Pro Pro Ala  
 20 25 30

Gly Xaa Ser Asp Arg Arg Arg Arg Tyr Ser Ser Tyr Arg Ser His Asp

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<210> 418
<211> 237
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (204)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

09092171 051801  
"T" F28550

<221> SITE  
 <222> (219)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (221)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (222)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (223)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (224)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (226)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (227)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (228)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (237)  
 <223> Xaa equals stop translation  
  
 <400> 418  
 Met Lys Leu Pro Gly Lys Phe Arg Arg Ala His Gln Gly Asn Leu Glu  
   1                  5                  10                  15  
  
 Ser Gln Leu Thr Ser Glu Ser Tyr Tyr Lys Glu Thr Leu Ser Val Pro  
           20                  25                  30  
  
 Thr Val Glu His Ile Ile Gln Glu Leu Lys Asp Ile Phe Ser Glu Gln  
   35                  40                  45  
  
 His Leu Lys Ala Leu Lys Cys Leu Ser Leu Val Pro Ser Val Met Gly  
   50                  55                  60  
  
 Gln Leu Lys Phe Asn Thr Ser Glu Glu His His Ala Asp Met Tyr Arg

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65					70					75					80
Ser	Asp	Leu	Pro	Asn	Pro	Asp	Thr	Leu	Ser	Ala	Glu	Leu	His	Cys	Trp
				85					90					95	
Arg	Ile	Lys	Trp	Lys	His	Arg	Gly	Lys	Asp	Ile	Glu	Leu	Pro	Ser	Thr
			100					105					110		
Ile	Tyr	Glu	Ala	Leu	His	Leu	Pro	Asp	Ile	Lys	Phe	Phe	Pro	Asn	Val
		115					120					125			
Tyr	Ala	Leu	Leu	Lys	Val	Leu	Cys	Ile	Leu	Pro	Val	Met	Lys	Val	Glu
	130					135					140				
Asn	Glu	Arg	Tyr	Glu	Asn	Gly	Arg	Lys	Arg	Leu	Lys	Ala	Tyr	Leu	Arg
145					150					155					160
Asn	Thr	Leu	Thr	Asp	Gln	Arg	Ser	Ser	Asn	Leu	Ala	Leu	Leu	Asn	Ile
				165					170					175	
Asn	Phe	Asp	Ile	Lys	His	Asp	Leu	Asp	Leu	Met	Val	Asp	Thr	Tyr	Ile
		180						185					190		
Lys	Leu	Tyr	Thr	Xaa	Xaa	Ser	Xaa	Leu	Xaa	Thr	Xaa	Xaa	Ser	Xaa	Xaa
		195					200					205			
Val	Glu	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Xaa
	210					215					220				
Asp	Xaa	Xaa	Xaa	Arg	Glu	Lys	Ala	Val	Arg	Cys	Met	Xaa			
225					230					235					
<210> 419															
<211> 192															
<212> PRT															
<213> Homo sapiens															
<220>															
<221> SITE															
<222> (192)															
<223> Xaa equals stop translation															
<400> 419															
Met	Lys	Pro	Met	Ala	Val	Val	Ala	Ser	Thr	Val	Leu	Gly	Leu	Val	Gln
1				5					10					15	
Asn	Met	Arg	Ala	Phe	Gly	Gly	Ile	Leu	Val	Val	Val	Tyr	Tyr	Val	Phe
			20					25					30		
Ala	Ile	Ile	Gly	Ile	Asn	Leu	Phe	Arg	Gly	Val	Ile	Val	Ala	Leu	Pro
		35					40					45			
Gly	Asn	Ser	Ser	Leu	Ala	Pro	Ala	Asn	Gly	Ser	Ala	Pro	Cys	Gly	Ser
	50					55					60				
Phe	Glu	Gln	Leu	Glu	Tyr	Trp	Ala	Asn	Asn	Phe	Asp	Asp	Phe	Ala	Ala
65					70					75					80

Ala Leu Val Thr Leu Trp Asn Leu Met Val Val Asn Asn Trp Gln Val  
85 90 95

Phe Leu Asp Ala Tyr Arg Arg Tyr Ser Gly Pro Trp Ser Lys Ile Tyr  
100 105 110

Phe Val Leu Trp Trp Leu Val Ser Ser Val Ile Trp Val Asn Leu Phe  
115 120 125

Leu Ala Leu Ile Leu Glu Asn Phe Leu His Lys Trp Asp Pro Arg Ser  
130 135 140

His Leu Gln Pro Leu Ala Gly Thr Pro Glu Ala Thr Tyr Gln Met Thr  
145 150 155 160

Val Glu Leu Leu Phe Arg Asp Ile Leu Glu Glu Pro Gly Glu Asp Glu  
165 170 175

Leu Thr Glu Arg Leu Ser Gln His Pro His Leu Trp Leu Cys Arg Xaa  
180 185 190

<210> 420  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 420  
Asn Val Val Val Val Ala Phe Gly Leu Ile Leu Ile Ile Glu Ser Leu  
1 5 10 15

Gly Glu Gln Cys Pro  
20

<210> 421  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals stop translation

<400> 421  
Met Asn Trp Gly Leu Ser Ile Trp Leu His Tyr Tyr Glu Lys Lys Lys  
1 5 10 15

Glu Gln Val Phe Leu Val Ile Leu Ala His Val Val Arg Arg Cys Ala  
20 25 30

Ser Asp Gly Ile Leu Gln Phe Glu Ser Ser Leu Leu Lys Met Arg Arg  
35 40 45

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Ala Pro Xaa  
50

<210> 422  
<211> 32  
<212> PRT  
<213> Homo sapiens

<400> 422  
Met Leu Ile Ile Ser Leu Arg Pro Gln Phe Pro Ser Leu Ile Val Gln  
1 5 10 15  
Leu Glu Cys Ser Val Leu Phe Leu Pro Ile Ser Leu Asn Leu Leu Leu  
20 25 30

<210> 423  
<211> 163  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (163)  
<223> Xaa equals stop translation

<400> 423  
Met Val Lys Val Cys Asn Asp Ser Asp Arg Trp Ser Leu Ile Ser Leu  
1 5 10 15  
Ser Asn Asn Ser Gly Lys Asn Val Glu Leu Lys Phe Val Asp Ser Leu  
20 25 30  
Arg Arg Gln Phe Glu Phe Ser Val Asp Ser Phe Gln Ile Lys Leu Asp  
35 40 45  
Ser Leu Leu Leu Phe Tyr Glu Cys Ser Glu Asn Pro Met Thr Glu Thr  
50 55 60  
Phe His Pro Thr Ile Ile Gly Glu Ser Val Tyr Gly Asp Phe Gln Glu  
65 70 75 80  
Ala Phe Asp His Leu Cys Asn Lys Ile Ile Ala Thr Arg Asn Pro Glu  
85 90 95  
Glu Ile Arg Gly Gly Gly Leu Leu Lys Tyr Cys Asn Leu Leu Val Arg  
100 105 110  
Gly Phe Arg Pro Ala Ser Asp Glu Ile Lys Thr Leu Gln Arg Tyr Met  
115 120 125  
Cys Ser Arg Phe Phe Ile Asp Phe Ser Asp Ile Gly Glu Gln Gln Arg  
130 135 140

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Gln Val Xaa

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<210> 424
<211> 174
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (174)
<223> Xaa equals stop translation
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<400> 424  
Met Ala Pro Lys Gly Lys Val Gly Thr Arg Gly Lys Lys Gln Ile Phe  
1 5 10 15

Glu Glu Asn Arg Glu Thr Leu Lys Phe Tyr Leu Arg Ile Ile Leu Gly  
20 25 30

Ala Asn Ala Ile Tyr Cys Leu Val Thr Leu Val Phe Phe Tyr Ser Ser  
35 40 45

Ala Ser Phe Trp Ala Trp Leu Ala Leu Gly Phe Ser Leu Ala Val Tyr  
50 55 60

Gly Ala Ser Tyr His Ser Met Ser Ser Met Ala Arg Ala Ala Phe Ser  
65 70 75 80

Glu Asp Gly Ala Leu Met Asp Gly Gly Met Asp Leu Asn Met Glu Gln  
85 90 95

Gly Met Ala Glu His Leu Lys Asp Val Ile Leu Leu Thr Ala Ile Val  
100 105 110

Gln Val Leu Ser Cys Phe Ser Leu Tyr Val Trp Ser Phe Trp Leu Leu  
115 120 125

Ala Pro Gly Arg Ala Leu Tyr Leu Leu Trp Val Asn Val Leu Gly Pro  
130 135 140

Trp Phe Thr Ala Asp Ser Gly Thr Pro Ala Pro Glu His Asn Glu Lys  
145 150 155 160

Arg Gln Arg Arg Gln Glu Arg Arg Gln Met Lys Arg Leu Xaa  
165 170

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<210> 425
<211> 50
<212> PRT
<213> Homo sapiens
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<400> 425
Met Glu Leu Pro Lys Gly Leu Gln Gly Val Gly Pro Val Ala Met Met
  1                    5                10                15

Arg Pro Phe Tyr Leu Leu Leu Pro Val Leu Cys Thr Gln Ala Leu Arg
      20                    25                30

Gln Ser Gln Gly Lys Ser Pro Leu Leu Trp Lys Arg Thr Cys Cys Leu
      35                    40                45

Ala Xaa
    50

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<210> 426
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 426
Met Leu Gly Lys Gly Gly Gly Arg Ala Gly Leu Leu Arg Tyr Arg Leu
  1              5              10              15

Leu Tyr Phe Thr Leu Val Val Gly Glu Gly Glu Pro Gly Glu Asn Lys
          20              25              30

Val Thr Ile Pro Phe Phe Glu Thr Gly Lys Lys Ile Ile Phe Cys Ser
      35              40              45

Val Lys Met Val Glu Asn Ser Asn Val Pro Ser His Lys Gly Pro Val
  50              55              60

Pro Leu Arg Ser Glu Gln Trp Glu Leu Lys Ile Ser Glu Thr Leu Gly
  65              70              75              80

Glu Gly Lys Ile Gly Phe Leu Leu Ile Gly Arg Cys Ser Ser Gly Xaa
          85              90              95

Gly Gly Leu Cys Phe Cys Trp Asp Val Leu Cys Cys Met Tyr Ala Tyr
          100              105              110

Met Asp Arg Ser Leu Leu Ser Leu
    115              120

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```
<210> 427
<211> 159
<212> PRT
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<213> Homo sapiens

<220>

<221> SITE

<222> (159)

<223> Xaa equals stop translation

<400> 427

Met	Thr	His	Leu	Leu	Leu	Thr	Ala	Thr	Val	Thr	Pro	Ser	Glu	Gln	Asn
1				5					10					15	
Ser	Ser	Arg	Glu	Pro	Gly	Trp	Glu	Thr	Ala	Met	Ala	Lys	Asp	Ile	Leu
		20					25						30		
Gly	Glu	Ala	Gly	Leu	His	Phe	Asp	Glu	Leu	Asn	Lys	Leu	Arg	Val	Leu
		35				40						45			
Asp	Pro	Glu	Val	Thr	Gln	Gln	Thr	Ile	Glu	Leu	Lys	Glu	Glu	Cys	Lys
	50					55					60				
Asp	Phe	Val	Asp	Lys	Ile	Gly	Gln	Phe	Gln	Lys	Ile	Val	Gly	Gly	Leu
65					70					75					80
Ile	Glu	Leu	Val	Asp	Gln	Leu	Ala	Lys	Glu	Ala	Glu	Asn	Glu	Lys	Met
				85					90					95	
Lys	Ala	Ile	Gly	Ala	Arg	Asn	Leu	Leu	Lys	Ser	Ile	Ala	Lys	Gln	Arg
		100					105						110		
Glu	Ala	Gln	Gln	Gln	Gln	Leu	Gln	Ala	Leu	Ile	Ala	Glu	Lys	Lys	Met
		115					120					125			
Gln	Leu	Glu	Arg	Tyr	Arg	Val	Glu	Tyr	Glu	Ala	Leu	Cys	Lys	Val	Glu
	130					135					140				
Ala	Glu	Gln	Asn	Glu	Phe	Ile	Asp	Gln	Phe	Ile	Phe	Gln	Lys	Xaa	
145					150					155					

<210> 428

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (154)

<223> Xaa equals stop translation

<400> 428

Met	Asn	Val	Gly	Val	Ala	His	Ser	Glu	Val	Asn	Pro	Asn	Thr	Arg	Val
1				5						10				15	
Met	Asn	Ser	Arg	Gly	Met	Trp	Leu	Thr	Tyr	Ala	Leu	Gly	Val	Gly	Leu
		20						25					30		
Leu	His	Ile	Val	Leu	Leu	Ser	Ile	Pro	Phe	Phe	Ser	Val	Pro	Val	Ala
	35						40					45			

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Trp Thr Leu Thr Asn Ile Ile His Asn Leu Gly Met Tyr Val Phe Leu  
50 55 60

His Ala Val Lys Gly Thr Pro Phe Glu Thr Pro Asp Gln Gly Lys Ala  
65 70 75 80

Arg Leu Leu Thr His Trp Glu Gln Leu Asp Tyr Gly Val Gln Phe Thr  
85 90 95

Ser Ser Arg Lys Phe Phe Thr Ile Ser Pro Ile Ile Leu Tyr Phe Leu  
100 105 110

Ala Ser Phe Tyr Thr Lys Tyr Asp Pro Thr His Phe Ile Leu Asn Thr  
115 120 125

Ala Ser Leu Leu Ser Val Leu Ile Pro Lys Met Pro Gln Leu His Gly  
130 135 140

Val Arg Ile Phe Gly Ile Asn Lys Tyr Xaa  
145 150

<210> 429

<211> 204

<212> PRT

<213> Homo sapiens

<400> 429

Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu  
1 5 10 15

Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala  
20 25 30

Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val  
35 40 45

Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu  
50 55 60

Ile Gly Ala Val Lys His His Gln Val Leu Leu Phe Phe Tyr Met Ile  
65 70 75 80

Ile Leu Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys  
85 90 95

Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp  
100 105 110

Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys  
115 120 125

Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys  
130 135 140

Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu  
145 150 155 160

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Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe  
                           165                          170                          175

Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn  
                           180                          185                          190

Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu  
                           195                          200

<210> 430  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals stop translation

<400> 430  
 Met Leu Gln Ser Ile Ile Lys Asn Ile Trp Ile Pro Met Lys Pro Tyr  
   1                          5                          10                          15

Tyr Thr Lys Val Tyr Gln Glu Ile Trp Ile Gly Met Gly Leu Met Gly  
                           20                          25                          30

Phe Ile Val Tyr Lys Ile Arg Ala Ala Asp Lys Arg Ser Lys Ala Leu  
                           35                          40                          45

Lys Ala Ser Ala Pro Ala Pro Gly His His Asn Gln Ile Tyr Leu Glu  
                           50                          55                          60

Tyr Met Xaa  
                           65

<210> 431  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 431  
 Met Leu Gly Val Ser Leu Phe Leu Leu Val Val Leu Tyr His Tyr Val  
   1                          5                          10                          15

Ala Val Asn Asn Pro Lys Lys Gln Glu  
                           20                          25

<210> 432  
 <211> 299  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

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<400> 432
Met Ala Ala Xaa Glu Pro Ala Val Leu Ala Leu Pro Asn Ser Gly Ala
  1          5          10          15
Gly Gly Ala Gly Ala Pro Ser Gly Thr Val Pro Val Leu Phe Cys Phe
          20          25          30
Ser Val Phe Ala Arg Pro Ser Ser Val Pro His Gly Ala Gly Tyr Glu
          35          40          45
Leu Leu Ile Gln Lys Phe Leu Ser Leu Tyr Gly Asp Gln Ile Asp Met
  50          55          60
His Arg Lys Phe Val Val Gln Leu Phe Ala Glu Glu Trp Gly Gln Tyr
  65          70          75          80
Val Asp Leu Pro Lys Gly Phe Ala Val Ser Glu Arg Cys Lys Val Arg
          85          90          95
Leu Val Pro Leu Gln Ile Gln Leu Thr Thr Leu Gly Asn Leu Thr Pro
          100          105          110
Ser Ser Thr Val Phe Phe Cys Cys Asp Met Gln Glu Arg Phe Arg Pro
          115          120          125
Ala Ile Lys Tyr Phe Gly Asp Ile Ile Ser Val Gly Gln Arg Leu Leu
          130          135          140
Gln Gly Ala Arg Ile Leu Gly Ile Pro Val Ile Val Thr Glu Gln Tyr
          145          150          155          160
Pro Lys Gly Leu Gly Ser Thr Val Gln Glu Ile Asp Leu Thr Gly Val
          165          170          175
Lys Leu Val Leu Pro Lys Thr Lys Phe Ser Met Val Leu Pro Glu Val
          180          185          190
Glu Ala Ala Leu Ala Glu Ile Pro Gly Val Arg Ser Val Val Leu Phe
          195          200          205

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<220>
<221> SITE
<222> '(196)
<223> Xaa equals any of the naturally occurring L-amino acids
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<223> Xaa equals stop translation

Xaa Phe Trp Xaa Thr Xaa  
195

<400> 435

Met Gly Leu Pro Leu Met Ala Leu Met Trp Ser Thr Leu Pro Ala Ser  
1 5 10 15

Ala Gly Val Asn Phe Ile Leu Ala Leu Pro Leu Leu Leu Leu Trp Lys  
20 25 30

Asn Arg Gly Gly Val Gly Arg Ser Val Met Ser Ala Val Glu Xaa  
35 40 45

<210> 436

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (370)

<223> Xaa equals stop translation

<400> 436

Met Lys Lys Val Glu Glu Lys Arg Val Asp Val Asn Ser Ala Val Ala  
1 5 10 15

Met Gly Glu Val Ile Leu Ala Val Cys His Pro Asp Cys Ile Thr Thr  
20 25 30

Ile Lys His Trp Ile Thr Ile Ile Arg Ala Arg Phe Glu Glu Val Leu  
35 40 45

Thr Trp Ala Lys Gln His Gln Gln Arg Leu Glu Thr Ala Leu Ser Glu  
50 55 60

Leu Val Ala Asn Ala Glu Leu Leu Glu Glu Leu Leu Ala Trp Ile Gln  
65 70 75 80

Trp Ala Glu Thr Thr Leu Ile Gln Arg Asp Gln Glu Pro Ile Pro Gln  
85 90 95

Asn Ile Asp Arg Val Lys Ala Leu Ile Ala Glu His Gln Thr Phe Met  
100 105 110

Glu Glu Met Thr Arg Lys Gln Pro Asp Val Asp Arg Val Thr Lys Thr  
115 120 125

Tyr Lys Arg Lys Asn Ile Glu Pro Thr His Ala Pro Phe Ile Glu Lys  
130 135 140

Ser Arg Ser Gly Gly Arg Lys Ser Leu Ser Gln Pro Thr Pro Pro Pro  
145 150 155 160

Met Pro Ile Leu Ser Gln Ser Glu Ala Lys Asn Pro Arg Ile Asn Gln  
165 170 175

Leu Ser Ala Arg Trp Gln Gln Val Trp Leu Leu Ala Leu Glu Arg Gln  
180 185 190

Arg Lys Leu Asn Asp Ala Leu Asp Arg Leu Glu Glu Leu Lys Glu Phe

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<210> 437
<211> 30
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<400> 437  
Met Asn Val Lys Thr Phe Ser Xaa Asp His Met His Phe Leu Cys Cys  
      1              5              10             15
```

Leu Tyr Leu Arg Tyr Val Thr Phe Val Tyr Leu Asn Leu Phe  
20 25 30

```
<210> 438
<211> 24
<212> PRT
<213> Homo sapiens
```

Met Glu Pro His Leu Arg Cys Arg Val Thr Arg Val Arg Gly Ser Leu  
1 5 10 15

```
<210> 439
<211> 53
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<400> 439  
Met His Tyr Leu Val Leu Gly Gly Leu Gly Val Phe Leu Phe Phe Ser  
      1              5              10             15
```

Cys Phe Val Phe Leu Phe Phe Xaa Phe Ser Phe Ala Phe Phe Pro Phe  
20 25 30

Tyr Leu Glu Gly Met Gly Gly Ser Gly Asn Arg Glu Val Gly Gly Gly  
35 40 45

Phe Cys Leu Phe Phe  
50

```
<210> 440
<211> 176
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (176)
<223> Xaa equals stop translation
```

```
<400> 440
Met Val Ser Lys Ala Leu Leu Arg Leu Val Ser Ala Val Asn Arg Arg
  1             5             10             15
```

Arg Met Lys Leu Leu Leu Gly Ile Ala Leu Leu Ala Tyr Val Ala Ser  
20 25 30

Val Trp Gly Asn Phe Val Asn Met Arg Ser Ile Gln Glu Asn Gly Glu  
35 40 45

Leu Lys Ile Glu Ser Lys Ile Glu Glu Met Val Glu Pro Leu Arg Glu  
50 55 60

Lys Ile Arg Asp Leu Glu Lys Ser Phe Thr Gln Lys Tyr Pro Pro Val  
65 70 75 80

Lys Phe Leu Ser Glu Lys Asp Arg Lys Arg Ile Leu Ile Thr Gly Gly  
                     85                    90                    95  
 Ala Gly Phe Val Gly Ser His Leu Thr Asp Lys Leu Met Met Asp Gly  
                     100                    105                    110  
 His Glu Val Thr Val Val Asp Asn Phe Phe Thr Gly Arg Lys Arg Asn  
                     115                    120                    125  
 Val Glu His Trp Ile Gly His Glu Asn Phe Glu Leu Ile Asn His Asp  
                     130                    135                    140  
 Val Trp Ser Pro Ser Thr Ser Arg Leu Thr Arg Tyr Thr Ile Trp His  
                     145                    150                    155                    160  
 Leu Gln Pro Pro Leu Gln Thr Thr Cys Ile Ile Leu Ser Arg His Xaa  
                     165                    170                    175

<210> 441  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<400> 441  
 Met Leu Arg Cys Trp Pro Leu Phe Trp Leu Pro Leu Val Ser Pro Phe  
   1                    5                    10                    15  
 Cys Ser Leu Phe Trp Leu Leu Val Glu Trp Phe Gly Thr Asn Ile Asp  
                     20                    25                    30  
 Arg Glu Ser Tyr Asp Ala Ile Gly Gly Pro Ser Trp Met Thr Ala Ser  
                     35                    40                    45  
 Ser Phe Cys Leu Ser Asn Ser Asn Ile Trp Ser Leu Glu Ile Ser Ser  
                     50                    55                    60  
 Gly Ser Thr Ser Val Val His Ser Gln Gln Ala Met Asp  
                     65                    70                    75

<210> 442  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 442  
 Met Arg Ser Cys Glu Ile Gln Leu Cys Val Trp Leu Leu Val Ser Ser  
   1                    5                    10                    15  
 His Val Asp Met Val Leu Gly Gly Ser Pro Ser Thr Leu Tyr Met Met  
                     20                    25                    30

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```

<400> 443
Met Val Val Asn Ser Leu Cys Phe Leu Ser Leu Leu Leu Val Ile Leu
  1                      5                      10                      15
Glu Leu Ser Thr Asp Ser Ser Ala Arg Leu Leu Tyr His Glu
                20                25                30

```

```

<400> 444
Met Asp Lys Gln Lys His Leu Glu Val Arg Arg Ser Val Phe Lys Ile
  1              5              10              15
Gln Gly Lys Ile Ala Phe Ser Leu Met Phe Val Leu Lys Asp Leu Ser
      20              25              30
Pro Thr Ile Phe Ser His Ser Ile Leu Leu Leu Leu Pro His His Val
      35              40              45
Leu Pro Cys Thr Pro Gln Met Val Arg Gly Val Thr Gln Val Leu Arg
      50              55              60
Glu Phe Gly Asp Gln
      65

```

```

<400> 445
Met Val Thr Gly Val Asn Pro Pro Leu Pro Pro Gln Leu Gln His Pro
 1                    5                      10             15

Arg Pro Ile Asn Gln Leu Gly Ser Gly Ser Phe Phe Phe Ser Ser Phe
          20                    25             30

Val Met Leu Arg Phe Lys Met Cys Val Leu His Cys Tyr Arg Leu Leu
      35                    40             45

Phe Cys Leu Ile Lys Asp Phe Ser Pro Thr Phe Val Trp Thr His
 50                    55             60

```

<210> 446

<211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals stop translation

<400> 446  
 Met Lys Phe Ser Leu Val Leu Leu Ile Lys Ile Ile Ser Phe Glu Arg  
   1                  5                  10                  15  
 Leu Leu Ile Phe Leu Phe Pro Leu Ser Phe Leu Pro Asn Ile Trp Arg  
                   20                  25                  30  
 Arg Val Met Val Asn Leu Asn Ile Leu Phe Xaa  
           35                  40

<210> 447  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 447  
 Met Leu Leu Phe Pro Ser Leu Leu Phe Ala Ala Thr Tyr Asn Val Ala  
   1                  5                  10                  15  
 Asn Pro Ser Arg Leu Ile Leu Tyr Met Ile Ser Ala Gly Ala Asp Ser  
           20                  25                  30  
 Gln

<210> 448  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 448  
 Met Trp Gln Val Arg Gly Leu Pro Pro Val Pro Leu Leu Leu Thr Met  
   1                  5                  10                  15  
 Ser Pro Pro Pro Cys Leu Ser Ser Pro Phe Pro Phe Ile Ser Val Pro  
           20                  25                  30  
 Leu Phe Glu Ala Val Pro Ile Ser Val Ser Asp Gln Pro Ser Pro Xaa  
           35                  40                  45  
 Leu Thr Thr Leu Leu  
           50

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<210> 449  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<400> 449  
 Met Ile Thr Ser Val Leu Val Phe Leu Ile Phe Phe Phe Pro Tyr Leu  
   1                  5                  10                  15  
 Ser Leu Val Thr Leu Leu Gln Ala Arg Asn Leu Trp Val Ile His Arg  
                   20                  25                  30  
 Ala Ala Leu Cys Glu Ser Gly Leu Phe His Trp Arg Lys Gly Ile Glu  
           35                  40                  45  
 Asn Gln Leu Glu Pro Met Tyr Phe Leu Pro His Gly Thr Leu Phe Leu  
       50                  55                  60

<210> 450  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 450  
 Met Leu Tyr Ser Cys Glu Pro Tyr Leu Ile Ile Leu Asn Ile Tyr Ser  
   1                  5                  10                  15  
 Gln Lys Ala Phe Tyr Phe Tyr Phe Phe Glu Gly Ser Phe Ser Val Cys  
           20                  25                  30  
 Thr Leu

<210> 451  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 451  
 Met Arg Gln Arg Gln Ala Ala Cys Gln Pro Pro Pro Ser Arg Asn Gly  
   1                  5                  10                  15  
 Leu Ala Gln Glu Cys Pro Pro His Ile Pro Ser Ser Phe Phe Leu Val  
           20                  25                  30  
 Lys Leu Leu Phe Ile Pro Trp Leu Ala Ser Leu Leu Ser Ser Pro Leu  
       35                  40                  45  
 Asn Leu Leu Leu Leu Val Ser Ile Ser Trp Asp Leu Gly Leu Lys Leu  
       50                  55                  60

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<400> 452																
Met	Asp	Phe	Ile	Thr	Ser	Thr	Ala	Ile	Leu	Pro	Leu	Leu	Phe	Gly	Cys	
1				5					10					15		
Leu	Gly	Val	Phe	Gly	Leu	Phe	Arg	Leu	Leu	Gln	Trp	Val	Arg	Gly	Lys	
			20					25					30			
Ala	Tyr	Leu	Arg	Asn	Ala	Val	Val	Val	Ile	Thr	Gly	Ala	Thr	Ser	Gly	
		35					40					45				
Leu	Gly	Lys	Glu	Cys	Ala	Lys	Val	Phe	Tyr	Ala	Ala	Gly	Ala	Lys	Leu	
	50					55					60					
Val	Leu	Cys	Gly	Arg	Asn	Gly	Gly	Ala	Leu	Glu	Glu	Leu	Ile	Arg	Glu	
65					70					75					80	
Leu	Thr	Ala	Ser	His	Ala	Thr	Lys	Val	Gln	Thr	His	Lys	Pro	Tyr	Leu	
				85					90					95		
Val	Thr	Phe	Asp	Leu	Thr	Asp	Ser	Gly	Ala	Ile	Val	Ala	Ala	Ala	Ala	
			100					105					110			
Glu	Ile	Leu	Gln	Cys	Phe	Gly	Tyr	Val	Asp	Ile	Leu	Val	Asn	Asn	Ala	
		115					120					125				
Gly	Ile	Ser	Tyr	Arg	Gly	Thr	Ile	Met	Asp	Thr	Thr	Val	Asp	Val	Asp	
	130					135					140					
Lys	Arg	Val	Met	Glu	Thr	Asn	Tyr	Phe	Gly	Pro	Val	Ala	Leu	Thr	Lys	
145					150					155					160	
Ala	Leu	Leu	Pro	Ser	Met	Ile	Lys	Arg	Arg	Gln	Gly	His	Ile	Val	Ala	
				165					170					175		
Ile	Ser	Ser	Ile	Gln	Gly	Lys	Met	Ser	Ile	Pro	Phe	Arg	Ser	Ala	Tyr	
			180					185					190			
Ala	Ala	Ser	Lys	His	Ala	Thr	Gln	Ala	Phe	Phe	Asp	Cys	Leu	Arg	Ala	
		195					200					205				
Glu	Met	Glu	Gln	Tyr	Glu	Ile	Glu	Val	Thr	Val	Ile	Ser	Pro	Gly	Tyr	
	210					215					220					
Ile	His	Thr	Asn	Leu	Ser	Val	Asn	Ala	Ile	Thr	Ala	Asp	Gly	Ser	Arg	
225					230					235					240	

Tyr Gly Val Met Asp Thr Thr Thr Ala Gln Gly Arg Ser Pro Val Glu  
245 250 255

Val Ala Gln Asp Val Leu Ala Ala Val Gly Lys Lys Lys Lys Asp Val  
260 265 270

Ile Leu Ala Asp Leu Leu Pro Ser Leu Ala Val Tyr Leu Arg Thr Leu  
275 280 285

Ala Pro Gly Leu Phe Phe Ser Leu Met Pro Pro Gly Pro Glu Lys Ser  
290 295 300

Gly Asn Pro Arg Thr Pro Ser Thr Leu Thr Ser Gln Gly Gln Gly Arg  
305 310 315 320

Glu Ala Ala Leu Leu Gly Leu Leu Thr Leu Gln Gly Thr Val Ala Phe  
325 330 335

Val Glu Thr Leu Met Glu Ile Cys Leu Thr Ser Gly Lys Asp  
340 345 350

<210> 453

<211> 49

<212> PRT

<213> Homo sapiens

<400> 453

Met Val Phe Leu Pro Arg Gly Val Val Val Ser Gly Gly Ala Ala Cys  
1 5 10 15

Leu Trp Leu Thr Phe Ile Leu Glu Thr Glu Val Tyr Leu Asp Leu Ala  
20 25 30

Thr Glu Ala Arg Ala His Ser Arg Met Gly Leu Gly Leu Trp Pro Pro  
35 40 45

Asn

<210> 454

<211> 278

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (278)

<223> Xaa equals stop translation

<400> 454

Met Ala Ser Ala Glu Leu Asp Tyr Thr Ile Glu Ile Pro Asp Gln Pro

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300

1	5	10	15
Cys Trp Ser Gln Lys Asn Ser Pro Ser Pro Gly Gly Lys Glu Ala Glu	20	25	30
Thr Arg Gln Pro Val Val Ile Leu Leu Gly Trp Gly Gly Cys Lys Asp	35	40	45
Lys Asn Leu Ala Lys Tyr Ser Ala Ile Tyr His Lys Arg Gly Cys Ile	50	55	60
Val Ile Arg Tyr Thr Ala Pro Trp His Met Val Phe Phe Ser Glu Ser	65	70	75
Leu Gly Ile Pro Ser Leu Arg Val Leu Ala Gln Lys Leu Leu Glu Leu	85	90	95
Leu Phe Asp Tyr Glu Ile Glu Lys Glu Pro Leu Leu Phe His Val Phe	100	105	110
Ser Asn Gly Gly Val Met Leu Tyr Arg Tyr Val Leu Glu Leu Leu Gln	115	120	125
Thr Arg Arg Phe Cys Arg Leu Arg Val Val Gly Thr Ile Phe Asp Ser	130	135	140
Ala Pro Gly Asp Ser Asn Leu Val Gly Ala Leu Arg Ala Leu Ala Ala	145	150	155
Ile Leu Glu Arg Arg Ala Ala Met Leu Arg Leu Leu Leu Leu Val Ala	165	170	175
Phe Ala Leu Val Val Val Leu Phe His Val Leu Leu Ala Pro Ile Thr	180	185	190
Ala Xaa Phe His Thr His Phe Tyr Asp Arg Leu Gln Asp Ala Gly Ser	195	200	205
Arg Trp Pro Glu Leu Tyr Leu Tyr Ser Arg Ala Asp Glu Val Val Leu	210	215	220
Ala Arg Asp Ile Glu Arg Met Val Glu Ala Arg Leu Ala Arg Arg Val	225	230	235
Leu Ala Arg Ser Val Asp Phe Val Ser Ser Ala His Val Ser His Leu	245	250	255
Arg Asp Tyr Pro Thr Tyr Tyr Thr Ser Leu Cys Val Asp Phe Met Arg	260	265	270
Asn Cys Val Arg Cys Xaa	275		

<210> 455  
 <211> 199  
 <212> PRT  
 <213> Homo sapiens

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<400> 455
Met Ser Phe Ile Phe Asp Trp Ile Tyr Ser Gly Phe Ser Ser Val Leu
  1             5             10             15

Gln Phe Leu Gly Leu Tyr Lys Lys Thr Gly Lys Leu Val Phe Leu Gly
      20             25             30

Leu Asp Asn Ala Gly Lys Thr Thr Leu Leu His Met Leu Lys Asp Asp
      35             40             45

Arg Leu Gly Gln His Val Pro Thr Leu His Pro Thr Ser Glu Glu Leu
      50             55             60

Thr Ile Ala Gly Met Thr Phe Thr Thr Phe Asp Leu Gly Gly His Val
  65             70             75             80

Gln Ala Arg Arg Val Trp Lys Asn Tyr Leu Pro Ala Ile Asn Gly Ile
      85             90             95

Val Phe Leu Val Asp Cys Ala Asp His Glu Arg Leu Leu Glu Ser Lys
      100            105            110

Glu Glu Leu Asp Ser Leu Met Thr Asp Glu Thr Ile Ala Asn Val Pro
      115            120            125

Ile Leu Ile Leu Gly Asn Lys Ile Asp Arg Pro Glu Ala Ile Ser Glu
      130            135            140

Glu Arg Leu Arg Glu Met Phe Gly Leu Tyr Gly Gln Thr Thr Gly Lys
  145            150            155            160

Gly Ser Ile Ser Leu Lys Glu Leu Asn Ala Arg Pro Leu Glu Val Phe
      165            170            175

Met Cys Ser Val Leu Lys Arg Gln Gly Tyr Gly Glu Gly Phe Arg Trp
      180            185            190

Met Ala Gln Tyr Ile Asp Xaa
      195

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<210> 456
<211> 258
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals stop translation

Leu Leu Gln His Ile Leu Cys Gln Gly Val Gln Leu Glu Met Gln Gly  
245 250 255

Pro Xaa

<210> 457

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 457

Met Ser His Val Leu Leu Cys Pro Ser Leu Ser Cys Ser Asn Leu Leu  
1 5 10 15

Pro Pro Ser His Ser Leu Gly Thr Met Gly Ser Leu Ser Pro His Leu  
20 25 30

Cys Gly His Thr Met Cys Pro Val Asn Pro Glu Leu Pro Leu Ser Ser  
35 40 45

Arg Leu Thr Thr Asp Gln Pro Gln Pro Asp Ala Cys Ser Pro Thr Leu  
50 55 60

Leu Thr Leu Pro Leu Pro Ser Ser Phe Leu Pro His Ser Lys Pro Thr  
65 70 75 80

Phe Xaa His Pro Cys Ser Pro  
85

<210> 458

<211> 315

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (315)

<223> Xaa equals stop translation

<400> 458

Met Phe Ser Ile Asn Pro Leu Glu Asn Leu Lys Val Tyr Ile Ser Ser  
1 5 10 15

Arg Pro Pro Leu Val Val Phe Met Ile Ser Val Xaa Pro Met Ala Ile  
20 25 30

Ala Phe Leu Thr Leu Gly Tyr Phe Phe Lys Ile Lys Glu Ile Lys Ser  
35 40 45

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<210> 459
<211> 52
<212> PRT
<213> Homo sapiens
```

&lt;400&gt; 459

Met Pro Gly Leu Ser Leu Ala Leu Leu Pro Phe Gly Pro Gly Cys Thr  
 1 5 10 15

Glu Ala Leu His Ala Gly Cys Phe Pro Ala Phe Ala Ser Ala Thr Arg  
 20 25 30

Val Asn Gly Glu Ala Ala Leu Ser Pro Gly Leu Cys Asp Pro Ile Ser  
 35 40 45

Val Pro Tyr Val  
 50

&lt;210&gt; 460

&lt;211&gt; 383

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (383)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 460

Met Ala Val Gly Gln Ile Met Thr Phe Gly Ser Pro Val Ile Gly Cys  
 1 5 10 15

Gly Phe Ile Ser Gly Trp Asn Leu Val Ser Met Cys Val Glu Tyr Val  
 20 25 30

Leu Leu Trp Lys Val Tyr Gln Lys Thr Pro Ala Leu Ala Val Lys Ala  
 35 40 45

Gly Leu Lys Glu Glu Glu Thr Glu Leu Lys Gln Leu Asn Leu His Lys  
 50 55 60

Asp Thr Glu Pro Lys Pro Leu Glu Gly Thr His Leu Met Gly Val Lys  
 65 70 75 80

Asp Ser Asn Ile His Glu Leu Glu His Glu Gln Glu Pro Thr Cys Ala  
 85 90 95

Ser Gln Met Ala Glu Pro Phe Arg Thr Phe Arg Asp Gly Trp Val Ser  
 100 105 110

Tyr Tyr Asn Gln Pro Val Phe Leu Ala Gly Met Gly Leu Ala Phe Leu  
 115 120 125

Tyr Met Thr Val Leu Gly Phe Asp Cys Ile Thr Thr Gly Tyr Ala Tyr  
 130 135 140

Thr Gln Gly Leu Ser Gly Phe His Pro Gln Tyr Phe Asp Gly Ser Ile  
 145 150 155 160

Ser Tyr Asn Trp Asn Asn Gly Asn Cys Ser Phe Tyr Leu Ala Thr Ser  
 165 170 175

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Lys Met Trp Phe Gly Ser Ala Gly Leu Ile Ser Gly Leu Ala Gln Leu  
180 185 190

Ser Cys Leu Ile Leu Cys Val Ile Ser Val Phe Met Pro Gly Ser Pro  
195 200 205

Leu Asp Leu Ser Val Ser Pro Phe Glu Asp Ile Arg Ser Arg Phe Ile  
210 215 220

Gln Gly Glu Ser Ile Thr Pro Thr Lys Ile Pro Glu Ile Thr Thr Glu  
225 230 235 240

Ile Tyr Met Ser Asn Gly Ser Asn Ser Ala Asn Ile Val Pro Glu Thr  
245 250 255

Ser Pro Glu Ser Val Pro Ile Ile Ser Val Ser Leu Leu Phe Ala Gly  
260 265 270

Val Ile Ala Ala Arg Ile Gly Leu Trp Ser Phe Asp Leu Thr Val Thr  
275 280 285

Gln Leu Leu Gln Glu Asn Val Ile Glu Ser Glu Arg Gly Ile Ile Asn  
290 295 300

Gly Val Gln Asn Ser Met Asn Tyr Leu Leu Asp Leu Leu His Phe Ile  
305 310 315 320

Met Val Ile Leu Ala Pro Asn Pro Glu Ala Phe Gly Leu Leu Val Leu  
325 330 335

Ile Ser Val Ser Phe Val Ala Met Gly His Ile Met Tyr Phe Arg Phe  
340 345 350

Ala Gln Asn Thr Leu Gly Asn Lys Leu Phe Ala Cys Gly Pro Asp Ala  
355 360 365

Lys Glu Val Arg Lys Glu Asn Gln Ala Asn Thr Ser Val Val Xaa  
370 375 380

<210> 461

<211> 186

<212> PRT

<213> Homo sapiens

<400> 461

Met Arg Ser Ile Gly Asn Lys Asn Thr Ile Leu Leu Gly Leu Gly Phe  
1 5 10 15

Gln Ile Leu Gln Leu Ala Trp Tyr Gly Phe Gly Ser Glu Pro Trp Met  
20 25 30

Met Trp Ala Ala Gly Ala Val Ala Ala Met Ser Ser Ile Thr Phe Pro  
35 40 45

Ala Val Ser Ala Leu Val Ser Arg Thr Ala Asp Ala Asp Gln Gln Gly  
50 55 60

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Val Val Gln Gly Met Ile Thr Gly Ile Arg Gly Leu Cys Asn Gly Leu  
65 70 75 80

Gly Pro Ala Leu Tyr Gly Phe Ile Phe Tyr Ile Phe His Val Glu Leu  
85 90 95

Lys Glu Leu Pro Ile Thr Gly Thr Asp Leu Gly Thr Asn Thr Ser Pro  
100 105 110

Gln His His Phe Glu Gln Asn Ser Ile Ile Pro Gly Pro Pro Phe Leu  
115 120 125

Phe Gly Ala Cys Ser Val Leu Leu Ala Leu Leu Val Ala Leu Phe Ile  
130 135 140

Pro Glu His Thr Asn Leu Ser Leu Arg Ser Ser Ser Trp Arg Lys His  
145 150 155 160

Cys Gly Ser His Ser His Pro His Asn Thr Gln Ala Pro Gly Glu Ala  
165 170 175

Lys Glu Pro Leu Leu Gln Asp Thr Asn Val  
180 185

<210> 462

<211> 163

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals stop translation

<400> 462

Met Leu Gln Thr Ser Asn Tyr Ser Leu Val Leu Ser Leu Gln Phe Leu  
1 5 10 15

Leu Leu Ser Tyr Asp Leu Phe Val Asn Ser Phe Ser Glu Leu Leu Gln  
20 25 30

Lys Thr Pro Val Ile Gln Leu Val Leu Phe Ile Ile Gln Asp Ile Ala  
35 40 45

Val Leu Phe Asn Ile Ile Ile Ile Phe Leu Met Phe Phe Asn Thr Phe  
50 55 60

Val Phe Gln Ala Gly Leu Val Asn Leu Leu Phe His Lys Phe Lys Gly  
65 70 75 80

Thr Ile Ile Leu Thr Ala Val Tyr Phe Ala Leu Ser Ile Ser Leu His  
85 90 95

Val Trp Val Met Asn Leu Arg Trp Lys Asn Ser Asn Ser Phe Ile Trp  
100 105 110

Thr Asp Gly Leu Gln Met Leu Phe Val Phe Gln Arg Leu Ala Ala Val

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115 120 125  
 Leu Tyr Cys Tyr Phe Tyr Lys Arg Thr Ala Val Arg Leu Gly Asp Pro  
 130 135 140  
 His Phe Tyr Gln Asp Ser Leu Trp Leu Arg Lys Glu Phe Met Gln Val  
 145 150 155 160  
 Arg Arg Xaa

<210> 463  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<400> 463  
 Met Arg Ile Gln Val Phe Ile Leu Leu Leu Gly Ala Gly Gly Thr Ser  
 1 5 10 15  
 Gln Phe Thr Lys Pro Pro Ser Leu Pro Leu Glu Pro Glu Pro Ala Val  
 20 25 30  
 Glu Ser Ser Pro Thr Glu Thr Ser Glu Gln Ile Arg Glu Lys  
 35 40 45

<210> 464  
 <211> 105  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (105)  
 <223> Xaa equals stop translation

<400> 464  
 Met Ser Tyr Leu Ala Phe Leu Tyr Met Thr Phe Asp Phe Cys Cys Leu  
 1 5 10 15  
 Tyr Phe Ser Thr Val Tyr Ala Pro Ser Phe Lys Tyr Ile Cys Val His  
 20 25 30  
 Thr Asp Thr His Ile Cys Val Cys Val Cys Ile Tyr Leu Ser Ser Val  
 35 40 45  
 Val Ser Lys Ser Ser Ala Glu Ala Asp Gly Val Leu Gln Pro Arg Arg  
 50 55 60  
 His Pro Ala Ser Leu Leu Ile Val Phe Ala Thr Ser Ile Ser Glu Ser  
 65 70 75 80  
 Ser Leu Leu Ile Phe Ser Phe Gln Lys Thr Glu Ala Lys Leu Ile Val  
 85 90 95  
 Phe Ala Val Ser Leu Ala Ala Lys Xaa

100

105

<210> 465  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals stop translation

<400> 465  
 Met Leu Pro Pro Phe Ser Leu Val Tyr Thr His Phe Leu Val Ala Ser  
   1                  5                  10                  15  
 Leu Leu Pro Val Ile Leu Ala Val Phe Pro Asp Ser Ala Gln Ile Val  
                   20                  25                  30  
 Pro Leu Leu Lys Pro Ile Pro Arg Pro Gln Pro Glu Val Ile Phe Pro  
           35                  40                  45  
 Ser Ser Glu Leu Leu Glu Gln Leu Leu Ser Val Gln Phe Val Trp Gln  
       50                  55                  60  
 Ala His Thr Val Ala Xaa  
   65                  70

<210> 466  
 <211> 155  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (155)  
 <223> Xaa equals stop translation

<400> 466  
 Met Ala Leu Leu Leu Ser Val Leu Arg Val Leu Leu Gly Gly Phe Phe  
   1                  5                  10                  15  
 Ala Leu Val Gly Leu Ala Lys Leu Ser Glu Glu Ile Ser Ala Pro Val  
           20                  25                  30  
 Ser Glu Arg Met Asn Ala Leu Phe Val Gln Phe Ala Glu Val Phe Pro  
       35                  40                  45  
 Leu Lys Val Phe Gly Tyr Gln Pro Asp Pro Leu Asn Tyr Gln Ile Ala  
       50                  55                  60  
 Val Gly Phe Leu Glu Leu Leu Ala Gly Leu Leu Leu Val Met Gly Pro  
       65                  70                  75                  80  
 Pro Met Leu Gln Glu Ile Ser Asn Leu Phe Leu Ile Leu Leu Met Met  
           85                  90                  95

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 T08T90.T2T880

Val Asp Gly Val Ser Tyr Gln Lys Ala Met Phe Ile Phe Leu Ser Asn  
195 200 205

Ala Gly Ala Glu Arg Ile Thr Asp Val Ala Leu Asp Phe Trp Arg Ser  
 210 215 220

Gly Lys Gln Arg Glu Asp Ile Lys Leu Lys Asp Ile Glu His Ala Leu  
 225 230 235 240

Ser Val Ser Val Phe Asn Asn Lys Asn Ser Gly Phe Trp His Ser Ser  
 245 250 255

Leu Ile Asp Arg Asn Leu Ile Asp Tyr Phe Val Pro Phe Leu Pro Leu  
 260 265 270

Glu Tyr Lys His Leu Lys Met Cys Ile Arg Val Glu Met Gln Ser Arg  
 275 280 285

Gly Tyr Glu Ile Asp Glu Asp Ile Val Ser Arg Val Ala Glu Glu Met  
 290 295 300

Thr Phe Phe Pro Lys Glu Glu Arg Val Phe Ser Asp Lys Gly Cys Lys  
 305 310 315 320

Thr Val Phe Thr Lys Leu Asp Tyr Tyr Tyr Asp Asp  
 325 330

<210> 468

<211> 48

<212> PRT

<213> Homo sapiens

<400> 468

Met Val Val Phe Ser Phe Phe Lys Pro Val Leu Val Ile Arg Met Tyr  
 1 5 10 15

Leu Thr Val Leu Trp Asn Asn Cys Asp Tyr Ser Lys Val Ile Val Phe  
 20 25 30

Lys Asn Val Ile Tyr Thr Cys Tyr Ile His Phe Ser Pro Ser Lys Tyr  
 35 40 45

<210> 469

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

05082171.051801

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met	Ala	Lys	Phe	Met	Thr	Pro	Val	Ile	Gln	Asp	Asn	Pro	Ser	Gly	Trp	1	5	10	15
Gly	Pro	Cys	Ala	Val	Pro	Glu	Gln	Phe	Arg	Asp	Met	Pro	Tyr	Gln	Pro	20	25	30	
Phe	Ser	Lys	Gly	Asp	Arg	Leu	Gly	Lys	Val	Ala	Asp	Trp	Thr	Gly	Ala	35	40	45	
Thr	Tyr	Gln	Asp	Lys	Arg	Tyr	Thr	Asn	Lys	Tyr	Ser	Ser	Gln	Phe	Gly	50	55	60	
Gly	Gly	Ser	Gln	Tyr	Ala	Tyr	Phe	His	Glu	Glu	Asp	Glu	Ser	Ser	Phe	65	70	75	80
Gln	Leu	Val	Asp	Thr	Ala	Arg	Thr	Gln	Lys	Thr	Ala	Tyr	Gln	Arg	Asn	85	90	95	
Arg	Met	Arg	Phe	Ala	Gln	Arg	Asn	Leu	Arg	Arg	Asp	Lys	Asp	Arg	Arg	100	105	110	
Asn	Met	Leu	Gln	Phe	Asn	Leu	Gln	Ile	Leu	Pro	Lys	Ser	Ala	Lys	Gln	115	120	125	
Lys	Glu	Arg	Glu	Arg	Ile	Arg	Leu	Gln	Lys	Lys	Phe	Gln	Lys	Gln	Phe	130	135	140	
Gly	Val	Arg	Gln	Lys	Trp	Asp	Gln	Lys	Ser	Gln	Lys	Pro	Arg	Asp	Ser	145	150	155	160
Ser	Val	Glu	Val	Arg	Ser	Asp	Trp	Glu	Val	Lys	Glu	Glu	Met	Asp	Phe	165	170	175	
Pro	Gln	Leu	Met	Lys	Met	Arg	Tyr	Leu	Glu	Val	Ser	Glu	Pro	Gln	Asp	180	185	190	
Ile	Glu	Cys	Cys	Gly	Ala	Leu	Glu	Tyr	Tyr	Asp	Lys	Ala	Phe	Asp	Arg	195	200	205	
Ile	Thr	Thr	Arg	Ser	Glu	Lys	Pro	Leu	Arg	Xaa	Xaa	Lys	Arg	Ile	Phe	210	215	220	
His	Thr	Val	Thr	Thr	Thr	Asp	Asp	Pro	Val	Ile	Arg	Lys	Leu	Ala	Lys	225	230	235	240
Thr	Gln	Gly	Asn	Val	Phe	Ala	Thr	Asp	Ala	Ile	Leu	Ala	Thr	Leu	Met	245	250	255	
Ser	Cys	Thr	Arg	Ser	Val	Tyr	Ser	Trp	Asp	Ile	Val	Val	Gln	Arg	Val	260	265	270	
Gly	Ser	Lys	Leu	Phe	Phe	Asp	Lys	Arg	Asp	Asn	Ser	Asp	Phe	Asp	Leu	275	280	285	
Leu	Thr	Val	Ser	Glu	Thr	Ala	Asn	Glu	Pro	Pro	Gln	Asp	Glu	Gly	Asn				

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T00T90"128860

290                      295                      300  
 Ser Phe Asn Ser Pro Arg Asn Leu Ala Met Glu Ala Thr Tyr Ile Asn  
 305                      310                      315                      320  
 His Asn Phe Ser Gln Gln Cys Leu Arg Met Gly Lys Glu Arg Tyr Asn  
                     325                      330                      335  
 Phe Pro Asn Pro Asn Pro Phe Val Glu Asp Asp Met Asp Lys Asn Glu  
                     340                      345                      350  
 Ile Ala Ser Val Ala Tyr Arg Tyr Arg Ser Gly Lys Leu Gly Asp Asp  
                     355                      360                      365  
 Ile Asp Leu Ile Val Arg Cys Glu His Asp Gly Val Met Thr Gly Ala  
                     370                      375                      380  
 Asn Gly Glu Val Ser Phe Ile Asn Ile Lys Thr Leu Asn Glu Trp Asp  
 385                      390                      395                      400  
 Ser Arg His Cys Asn Gly Val Asp Trp Arg Gln Lys Leu Asp Ser Gln  
                     405                      410                      415  
 Arg Gly Ala Val Ile Ala Thr Glu Leu Lys Asn Asn Ser Tyr Lys Leu  
                     420                      425                      430  
 Ala Arg Trp Thr Cys Cys Ala Leu Leu Ala Gly Ser Glu Tyr Leu Lys  
                     435                      440                      445  
 Leu Gly Tyr Val Ser Arg Tyr His Val Lys Asp Ser Ser Arg His Val  
                     450                      455                      460  
 Ile Leu Gly Thr Gln Gln Phe Lys Pro Asn Glu Phe Ala Ser Gln Ile  
 465                      470                      475                      480  
 Asn Leu Ser Val Glu Asn Ala Trp Gly Ile Leu Arg Cys Val Ile Asp  
                     485                      490                      495  
 Ile Cys Met Lys Leu Glu Glu Gly Lys Tyr Leu Ile Leu Lys Asp Pro  
                     500                      505                      510  
 Asn Lys Gln Val Ile Arg Val Tyr Ser Leu Pro Asp Gly Thr Phe Ser  
                     515                      520                      525  
 Ser Asp Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu  
                     530                      535                      540  
 Glu Glu Glu Thr  
 545

<210> 470  
 <211> 285  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 470

Met	Lys	Leu	His	Pro	Pro	Pro	Pro	Ser	Pro	Val	Thr	Gln	Asp	His	Arg	1	5	10	15
Ser	Lys	Ser	Ser	His	Ser	Asn	Trp	Met	Pro	Arg	Met	Gly	Ala	Cys	Ser	20	25	30	
Met	Ser	Arg	Thr	Ser	Ser	Ser	Gly	Pro	Pro	Ser	Leu	Cys	Lys	Ser	Thr	35	40	45	
Ser	Gly	Arg	Ser	Cys	Thr	Arg	Pro	His	Cys	Trp	Pro	Ser	Leu	Pro	Ala	50	55	60	
Trp	Val	Ser	Val	Phe	Thr	Arg	Thr	Asn	Thr	Gly	Ser	Trp	Cys	Tyr	Pro	65	70	75	80
Ala	Trp	Gly	Gly	Ala	Phe	Ser	Arg	Pro	Trp	Met	Ser	Ala	Gln	Ser	Met	85	90	95	
Cys	Cys	Ala	Glu	Arg	Ser	Val	Leu	Gln	Val	Ala	Cys	Arg	Leu	Leu	Asp	100	105	110	
Ala	Leu	Glu	Phe	Leu	His	Glu	Asn	Glu	Tyr	Val	His	Gly	Asn	Val	Thr	115	120	125	
Ala	Glu	Asn	Ile	Phe	Val	Asp	Pro	Glu	Asp	Gln	Ser	Gln	Val	Thr	Leu	130	135	140	
Ala	Gly	Tyr	Gly	Phe	Ala	Phe	Arg	Tyr	Cys	Pro	Ser	Gly	Lys	His	Val	145	150	155	160
Ala	Tyr	Val	Glu	Gly	Ser	Arg	Ser	Pro	His	Glu	Gly	Asp	Leu	Glu	Phe	165	170	175	
Ile	Ser	Met	Asp	Leu	His	Lys	Gly	Cys	Gly	Pro	Ser	Arg	Arg	Xaa	Asp	180	185	190	
Leu	Gln	Ser	Leu	Gly	Tyr	Cys	Met	Leu	Lys	Trp	Leu	Tyr	Gly	Phe	Leu	195	200	205	
Pro	Trp	Thr	Asn	Cys	Leu	Pro	Xaa	Xaa	Glu	Asp	Ile	Met	Lys	Gln	Lys	210	215	220	
Gln	Lys	Phe	Val	Asp	Lys	Pro	Gly	Pro	Phe	Val	Gly	Pro	Cys	Gly	His	225	230	235	240

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Trp Ile Arg Pro Ser Glu Thr Leu Gln Lys Tyr Leu Lys Val Val Met  
                           245                          250                          255

Ala Leu Thr Tyr Glu Glu Lys Pro Pro Tyr Ala Met Leu Arg Asn Asn  
                           260                          265                          270

Leu Glu Ala Leu Leu Gln Asp Leu Arg Val Ser Pro Tyr  
                           275                          280                          285

<210> 471  
 <211> 80  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (80)  
 <223> Xaa equals stop translation

<400> 471  
 Met Thr Ser Pro Pro Pro His Gln Gly Trp Glu Gln Arg Gly Cys Gly  
   1                          5                          10                          15

Glu Ser Gln Val Pro Leu Ala Leu Ser Arg Val Phe Ser Thr Ser His  
                           20                          25                          30

Tyr Cys Leu Leu Leu Val Ala Asn Gln Ser Ile Phe Phe Pro Cys Leu  
                           35                          40                          45

Trp Ala Val Glu Arg Leu Leu Gly Val Arg Cys Thr Cys Pro Leu Ser  
                           50                          55                          60

Trp Gly Lys Arg Ile Ile Ser Glu His Cys Ser Ala Gln Ser Ser Xaa  
   65                          70                          75                          80

<210> 472  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 472  
 Met His Thr Trp Tyr Asn Asp Arg Arg Gln Asn Cys His Cys Leu Leu  
   1                          5                          10                          15

Phe Phe Leu Ile Tyr Leu Arg Lys Ile Tyr Gln Val Val Pro His Val  
                           20                          25                          30

Pro Leu Leu Val Lys Cys Arg Gly Arg Leu Lys Gly Val Asn Ile  
                           35                          40                          45

<210> 473

098827.061801

<211> 96  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (96)  
 <223> Xaa equals stop translation

<400> 473  
 Met Glu Leu Val Leu Val Phe Leu Cys Ser Leu Leu Ala Pro Met Val  
 1 5 10 15

Leu Ala Ser Ala Ala Glu Lys Glu Lys Glu Met Asp Pro Phe His Tyr  
 20 25 30

Asp Tyr Gln Thr Leu Arg Ile Gly Gly Leu Val Phe Ala Val Val Leu  
 35 40 45

Phe Ser Val Gly Ile Leu Leu Ile Leu Ser Arg Arg Cys Lys Cys Ser  
 50 55 60

Phe Asn Gln Lys Pro Arg Ala Pro Gly Asp Glu Glu Ala Gln Val Glu  
 65 70 75 80

Asn Leu Ile Thr Ala Asn Ala Thr Glu Pro Gln Lys Ala Glu Asn Xaa  
 85 90 95

<210> 474  
 <211> 399  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (399)  
 <223> Xaa equals stop translation

<400> 474  
 Met Ala Ser Gly Ala Asp Ser Lys Gly Asp Asp Leu Ser Thr Ala Ile  
 1 5 10 15

Leu Lys Gln Lys Asn Arg Pro Asn Arg Leu Ile Val Asp Glu Ala Ile  
 20 25 30

Asn Glu Asp Asn Ser Val Val Ser Leu Ser Gln Pro Lys Met Asp Glu  
 35 40 45

Leu Gln Leu Phe Arg Gly Asp Thr Val Leu Leu Lys Gly Lys Lys Arg  
 50 55 60

Arg Glu Ala Val Cys Ile Val Leu Ser Asp Asp Thr Cys Ser Asp Glu  
 65 70 75 80

09092171 061301  
 1008190 "T" 228860

Lys Ile Arg Met Asn Arg Val Val Arg Asn Asn Leu Arg Val Arg Leu  
                             85                            90                            95  
 Gly Asp Val Ile Ser Ile Gln Pro Cys Pro Asp Val Lys Tyr Gly Lys  
                             100                            105                            110  
 Arg Ile His Val Leu Pro Ile Asp Asp Thr Val Glu Gly Ile Thr Gly  
                             115                            120                            125  
 Asn Leu Phe Glu Val Tyr Leu Lys Pro Tyr Phe Leu Glu Ala Tyr Arg  
                             130                            135                            140  
 Pro Ile Arg Lys Gly Asp Ile Phe Leu Val Arg Gly Gly Met Arg Ala  
                             145                            150                            155                            160  
 Val Glu Phe Lys Val Val Glu Thr Asp Pro Ser Pro Tyr Cys Ile Val  
                             165                            170                            175  
 Ala Pro Asp Thr Val Ile His Cys Glu Gly Glu Pro Ile Lys Arg Glu  
                             180                            185                            190  
 Asp Glu Glu Glu Ser Leu Asn Glu Val Gly Tyr Asp Asp Ile Gly Gly  
                             195                            200                            205  
 Cys Arg Lys Gln Leu Ala Gln Ile Lys Glu Met Val Glu Leu Pro Leu  
                             210                            215                            220  
 Arg His Pro Ala Leu Phe Lys Ala Ile Gly Val Lys Pro Pro Arg Gly  
                             225                            230                            235                            240  
 Ile Leu Leu Tyr Gly Pro Pro Gly Thr Gly Lys Thr Leu Ile Ala Arg  
                             245                            250                            255  
 Ala Val Ala Asn Glu Thr Gly Ala Phe Phe Phe Leu Ile Asn Gly Pro  
                             260                            265                            270  
 Glu Ile Met Ser Lys Leu Ala Gly Glu Ser Glu Ser Asn Leu Arg Lys  
                             275                            280                            285  
 Ala Phe Glu Glu Ala Glu Lys Asn Ala Pro Ala Ile Ile Phe Ile Asp  
                             290                            295                            300  
 Glu Leu Asp Ala Ile Ala Pro Lys Arg Glu Lys Thr His Gly Glu Val  
                             305                            310                            315                            320  
 Glu Arg Arg Ile Val Ser Gln Leu Leu Thr Leu Met Asp Gly Leu Lys  
                             325                            330                            335  
 Gln Arg Ala His Val Ile Val Met Ala Ala Thr Asn Arg Pro Asn Ser  
                             340                            345                            350  
 Ile Asp Pro Ala Leu Arg Arg Phe Gly Arg Phe Asp Arg Glu Val Asp  
                             355                            360                            365  
 Ile Gly Ile Pro Asp Ala Thr Gly Arg Leu Glu Ile Leu Gln Ile His  
                             370                            375                            380  
 Thr Lys Asn Met Lys Leu Ala Asp Asp Val Asp Leu Glu Gln Xaa

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 1999.06.18

385

390

395

<210> 475  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 475  
 Met Tyr Met Lys Thr Asn Leu Ser Leu Val Ser Leu Lys Tyr Leu Phe  
           1                  5                  10                  15  
 Phe Leu Thr Cys Glu Met Phe Glu Arg Arg Phe Ser Ile His Phe Ser  
                   20                  25                  30  
 Ala Ala Trp Arg Lys Leu Gly Asn Asp Phe Phe Gln Leu  
           35                  40                  45

<210> 476  
 <211> 273  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (181)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (202)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (203)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (204)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (211)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (212)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (214)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (273)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 476

Met	Ala	Ala	Pro	Lys	Gly	Ser	Leu	Trp	Val	Arg	Thr	Gln	Leu	Gly	Leu	1	5	10	15
Pro	Pro	Leu	Leu	Leu	Leu	Thr	Met	Ala	Leu	Ala	Gly	Gly	Ser	Gly	Thr	20	25	30	
Ala	Ser	Ala	Glu	Ala	Phe	Asp	Ser	Val	Leu	Gly	Asp	Thr	Ala	Ser	Cys	35	40	45	
His	Arg	Ala	Cys	Gln	Leu	Thr	Tyr	Pro	Leu	His	Thr	Tyr	Pro	Lys	Glu	50	55	60	
Glu	Glu	Leu	Tyr	Ala	Cys	Gln	Arg	Gly	Cys	Arg	Leu	Phe	Ser	Ile	Cys	65	70	75	80
Gln	Phe	Val	Asp	Asp	Gly	Ile	Asp	Leu	Asn	Arg	Thr	Lys	Leu	Glu	Cys	85	90	95	
Glu	Ser	Ala	Cys	Thr	Glu	Ala	Tyr	Ser	Gln	Ser	Asp	Glu	Gln	Tyr	Ala	100	105	110	
Cys	His	Leu	Gly	Cys	Gln	Asn	Gln	Leu	Pro	Phe	Ala	Glu	Leu	Arg	Gln	115	120	125	
Glu	Gln	Leu	Met	Ser	Leu	Met	Pro	Lys	Met	His	Leu	Leu	Phe	Pro	Leu	130	135	140	
Thr	Leu	Val	Arg	Ser	Phe	Trp	Ser	Asp	Met	Met	Asp	Ser	Ala	Gln	Ser	145	150	155	160
Phe	Ile	Thr	Ser	Ser	Trp	Thr	Phe	Tyr	Leu	Gln	Ala	Asp	Asp	Gly	Lys	165	170	175	
Ile	Val	Ile	Phe	Xaa	Ser	Lys	Pro	Arg	Asn	Pro	Arg	Tyr	Ala	Pro	His	180	185	190	
Leu	Glu	Pro	Gly	Ala	Leu	Pro	Asn	Leu	Xaa	Xaa	Xaa	Ser	Leu	Ser	Lys	195	200	205	
Met	Ser	Xaa	Xaa	Ser	Xaa	Met	Arg	Asn	Ser	Gln	Ala	His	Arg	Asn	Phe	210	215	220	
Leu	Glu	Asp	Gly	Glu	Ser	Asp	Gly	Phe	Leu	Arg	Cys	Leu	Ser	Leu	Asn	225	230	235	240
Ser	Gly	Trp	Ile	Leu	Thr	Thr	Thr	Leu	Val	Leu	Ser	Val	Met	Val	Leu	245	250	255	
Leu	Trp	Ile	Cys	Cys	Ala	Thr	Cys	Cys	Tyr	Thr	Leu	Leu	Asp	Ala	Val	260	265	270	

09082171.051301

Xaa

&lt;210&gt; 477

&lt;211&gt; 192

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (129)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 477

Met	Met	Val	Leu	Ser	Leu	Gly	Ile	Ile	Leu	Ala	Ser	Ala	Ser	Phe	Ser
1				5					10					15	

Pro	Asn	Phe	Thr	Gln	Val	Thr	Ser	Thr	Leu	Leu	Asn	Ser	Ala	Tyr	Pro
			20					25					30		

Phe	Ile	Gly	Pro	Phe	Phe	Phe	Ile	Ile	Ser	Gly	Ser	Leu	Ser	Ile	Ala
		35					40					45			

Thr	Glu	Lys	Arg	Leu	Thr	Lys	Leu	Leu	Val	His	Ser	Ser	Leu	Val	Gly
	50					55					60				

Ser	Ile	Leu	Ser	Ala	Leu	Ser	Ala	Leu	Val	Gly	Phe	Ile	Ile	Leu	Ser
65					70					75					80

Val	Lys	Gln	Ala	Thr	Leu	Asn	Pro	Ala	Ser	Leu	Gln	Cys	Glu	Leu	Asp
				85					90					95	

Lys	Asn	Asn	Ile	Pro	Thr	Arg	Ser	Tyr	Val	Ser	Tyr	Phe	Tyr	His	Asp
			100					105					110		

Ser	Leu	Tyr	Thr	Thr	Asp	Cys	Tyr	Thr	Ala	Lys	Ala	Ser	Leu	Ala	Gly
		115					120					125			

Xaa	Leu	Ser	Leu	Met	Leu	Ile	Cys	Thr	Leu	Leu	Glu	Phe	Cys	Leu	Ala
	130					135					140				

Val	Leu	Thr	Ala	Val	Leu	Arg	Trp	Lys	Gln	Ala	Tyr	Ser	Asp	Phe	Pro
145					150					155					160

Gly	Ser	Val	Leu	Phe	Leu	Pro	His	Ser	Tyr	Ile	Gly	Asn	Ser	Gly	Met
			165						170					175	

Ser	Ser	Lys	Met	Thr	His	Asp	Cys	Gly	Tyr	Glu	Glu	Leu	Leu	Thr	Ser
			180					185					190		

&lt;210&gt; 478

&lt;211&gt; 234

&lt;212&gt; PRT

T09F90" T ZT28860

<400> 478

Phe Ala Val Thr Leu Arg Ser Phe Val Pro  
225 230

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<223> Xaa equals stop translation
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&lt;400&gt; 479

Met Leu His Ile Leu Pro Leu Lys Ser Tyr Asp Phe Pro His Phe Ser  
 1 5 10 15

Leu Met Gly Arg Tyr Arg Cys Ala Ser Leu Leu Phe Cys Phe Leu Leu  
 20 25 30

Leu Phe Phe Phe Phe Cys Ser Val Leu Trp Thr Phe Ser Asp Met His  
 35 40 45

Arg Ser Gly Glu Asp Gly Pro Trp Thr Pro Cys Val His His Leu Ala  
 50 55 60

Ala Ser Leu Ile Ser Tyr Gly Gln Pro Gly Phe Ile Cys Ile Ser Leu  
 65 70 75 80

Phe Ser Pro Val Leu Phe Ile Glu Asn Pro Arg His Tyr Ala Asn Ala  
 85 90 95

Thr Val Thr Thr Leu Gly Asp Trp Xaa  
 100 105

&lt;210&gt; 480

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 480

Met Val Phe Leu Lys Tyr Arg Phe Leu Phe Phe Leu Val Phe Leu Ala  
 1 5 10 15

Asn Cys Ile Tyr Ser Leu His Tyr Lys Pro Ser Leu Met Tyr Pro Lys  
 20 25 30

&lt;210&gt; 481

&lt;211&gt; 571

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (556)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (571)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 481

Met Ala Leu Ser Arg Gly Leu Pro Arg Glu Leu Ala Glu Ala Val Ala  
 1 5 10 15

000001.064804

Gly Gly Arg Val Leu Val Val Gly Ala Gly Gly Ile Gly Cys Glu Leu  
 20 25 30  
 Leu Lys Asn Leu Val Leu Thr Gly Phe Ser His Ile Asp Leu Ile Asp  
 35 40 45  
 Leu Asp Thr Ile Asp Val Ser Asn Leu Asn Arg Gln Phe Leu Phe Gln  
 50 55 60  
 Lys Lys His Val Gly Arg Ser Lys Ala Gln Val Ala Lys Glu Ser Val  
 65 70 75 80  
 Leu Gln Phe Tyr Pro Lys Ala Asn Ile Val Ala Tyr His Asp Ser Ile  
 85 90 95  
 Met Asn Pro Asp Tyr Asn Val Glu Phe Phe Arg Gln Phe Ile Leu Val  
 100 105 110  
 Met Asn Ala Leu Asp Asn Arg Ala Ala Arg Asn His Val Asn Arg Met  
 115 120 125  
 Cys Leu Ala Ala Asp Val Pro Leu Ile Glu Ser Gly Thr Ala Gly Tyr  
 130 135 140  
 Leu Gly Gln Val Thr Thr Ile Lys Lys Gly Val Thr Glu Cys Tyr Glu  
 145 150 155 160  
 Cys His Pro Lys Pro Thr Gln Arg Thr Phe Pro Gly Cys Thr Ile Arg  
 165 170 175  
 Asn Thr Pro Ser Glu Pro Ile His Cys Ile Val Trp Ala Lys Tyr Leu  
 180 185 190  
 Phe Asn Gln Leu Phe Gly Glu Glu Asp Ala Asp Gln Glu Val Ser Pro  
 195 200 205  
 Asp Arg Ala Asp Pro Glu Ala Ala Trp Glu Pro Thr Glu Ala Glu Ala  
 210 215 220  
 Arg Ala Arg Ala Ser Asn Glu Asp Gly Asp Ile Lys Arg Ile Ser Thr  
 225 230 235 240  
 Lys Glu Trp Ala Lys Ser Thr Gly Tyr Asp Pro Val Lys Leu Phe Thr  
 245 250 255  
 Lys Leu Phe Lys Asp Asp Ile Arg Tyr Leu Leu Thr Met Asp Lys Leu  
 260 265 270  
 Trp Arg Lys Arg Lys Pro Pro Val Pro Leu Asp Trp Ala Glu Val Gln  
 275 280 285  
 Ser Gln Gly Glu Glu Thr Asn Ala Ser Asp Gln Gln Asn Glu Pro Gln  
 290 295 300  
 Leu Gly Leu Lys Asp Gln Gln Val Leu Asp Val Lys Ser Tyr Ala Arg  
 305 310 315 320

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```
<210> 482
<211> 312
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (312)
<223> Xaa equals stop translation
```

&lt;400&gt; 482

Met	Gln	Val	Val	Thr	Cys	Leu	Thr	Arg	Asp	Ser	Tyr	Leu	Thr	His	Cys
1				5					10					15	
Phe	Leu	Gln	His	Leu	Met	Val	Val	Leu	Ser	Ser	Leu	Glu	Arg	Thr	Pro
			20					25					30		
Ser	Pro	Glu	Pro	Val	Asp	Lys	Asp	Phe	Tyr	Ser	Glu	Phe	Gly	Asn	Lys
		35					40					45			
Thr	Thr	Gly	Lys	Met	Glu	Asn	Tyr	Glu	Leu	Ile	His	Ser	Ser	Arg	Val
	50					55					60				
Lys	Phe	Thr	Tyr	Pro	Ser	Glu	Glu	Glu	Ile	Gly	Asp	Leu	Thr	Phe	Thr
65					70					75					80
Val	Ala	Gln	Lys	Met	Ala	Glu	Pro	Glu	Lys	Ala	Pro	Ala	Leu	Ser	Ile
			85						90					95	
Leu	Leu	Tyr	Val	Gln	Ala	Phe	Gln	Val	Gly	Met	Pro	Pro	Pro	Gly	Cys
			100					105						110	
Cys	Arg	Gly	Pro	Leu	Arg	Pro	Lys	Thr	Leu	Leu	Leu	Thr	Ser	Ser	Glu
		115					120					125			
Ile	Phe	Leu	Leu	Asp	Glu	Asp	Cys	Val	His	Tyr	Pro	Leu	Pro	Glu	Phe
	130					135					140				
Ala	Lys	Glu	Pro	Pro	Gln	Arg	Asp	Arg	Tyr	Arg	Leu	Asp	Asp	Gly	Arg
145					150					155					160
Arg	Val	Arg	Asp	Leu	Asp	Arg	Val	Leu	Met	Gly	Tyr	Gln	Thr	Tyr	Pro
				165					170					175	
Gln	Pro	Ser	Pro	Ser	Ser	Ser	Met	Thr	Cys	Lys	Val	Met	Thr	Ser	Trp
			180					185					190		
Ala	Val	Ser	Pro	Trp	Thr	Thr	Leu	Gly	Arg	Cys	Gln	Val	Ala	Arg	Leu
		195					200					205			
Glu	Pro	Ala	Arg	Ala	Val	Lys	Ser	Ser	Gly	Arg	Cys	Leu	Ser	Pro	Val
	210					215					220				
Leu	Arg	Ala	Glu	Arg	Ser	Ser	Ser	Arg	Cys	Trp	Leu	Ala	Ser	Gly	Arg
225					230				235						240
Pro	Cys	Val	Ala	Val	Ser	Cys	Leu	Ser	Ser	Ser	Pro	Ala	Ser	Pro	Gly
				245				250						255	
His	Ser	Gln	Pro	Val	Val	Ser	Ser	Leu	Thr	Pro	Thr	Gly	Ala	Gly	Gln
			260					265					270		
Gln	Ala	Phe	Val	Phe	Ser	Lys	Asn	Val	Leu	Ser	Ser	Leu	Trp	Tyr	Leu
		275					280					285			
Asn	Leu	Thr	Val	Leu	Ala	Glu	Asn	Val	Asn	Met	Cys	Val	Cys	Cys	Val
	290					295					300				

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Asn Ser Phe Ser Cys Trp Glu Xaa  
305 310

<210> 483

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (329)

<223> Xaa equals stop translation

<400> 483

Met	Ala	Gln	His	His	Leu	Trp	Ile	Leu	Leu	Leu	Cys	Leu	Gln	Thr	Trp	1	5	10	15
Pro	Glu	Ala	Ala	Gly	Lys	Asp	Ser	Glu	Ile	Phe	Thr	Val	Asn	Gly	Ile	20	25	30	
Leu	Gly	Glu	Ser	Val	Thr	Phe	Pro	Val	Asn	Ile	Gln	Glu	Pro	Arg	Gln	35	40	45	
Val	Lys	Ile	Ile	Ala	Trp	Thr	Ser	Lys	Thr	Ser	Val	Ala	Tyr	Val	Thr	50	55	60	
Pro	Gly	Asp	Ser	Glu	Thr	Ala	Pro	Val	Val	Thr	Val	Thr	His	Arg	Asn	65	70	75	80
Tyr	Tyr	Glu	Arg	Ile	His	Ala	Leu	Gly	Pro	Asn	Tyr	Asn	Leu	Val	Ile	85	90	95	
Ser	Asp	Leu	Arg	Met	Glu	Asp	Ala	Gly	Asp	Tyr	Lys	Ala	Asp	Ile	Asn	100	105	110	
Thr	Gln	Ala	Asp	Pro	Tyr	Thr	Thr	Lys	Arg	Tyr	Asn	Leu	Gln	Ile	115	120	125		
Tyr	Arg	Arg	Leu	Gly	Lys	Pro	Lys	Ile	Thr	Gln	Ser	Leu	Met	Ala	Ser	130	135	140	
Val	Asn	Ser	Thr	Cys	Asn	Val	Thr	Leu	Thr	Cys	Ser	Val	Glu	Lys	Glu	145	150	155	160
Glu	Lys	Asn	Val	Thr	Tyr	Asn	Trp	Ser	Pro	Leu	Gly	Glu	Glu	Gly	Asn	165	170	175	
Val	Leu	Gln	Ile	Phe	Gln	Thr	Pro	Glu	Asp	Gln	Glu	Leu	Thr	Tyr	Thr	180	185	190	
Cys	Thr	Ala	Gln	Asn	Pro	Val	Ser	Asn	Asn	Ser	Asp	Ser	Ile	Ser	Ala	195	200	205	
Arg	Gln	Leu	Cys	Ala	Asp	Ile	Ala	Met	Gly	Phe	Arg	Thr	His	His	Thr	210	215	220	

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Gly Leu Leu Ser Val Leu Ala Met Phe Phe Leu Leu Val Leu Ile Leu  
 225 230 235 240  
 Ser Ser Val Phe Leu Phe Arg Leu Phe Lys Arg Arg Gln Asp Ala Ala  
 245 250 255  
 Ser Lys Lys Thr Ile Tyr Thr Tyr Ile Met Ala Ser Arg Asn Thr Gln  
 260 265 270  
 Pro Ala Glu Ser Arg Ile Tyr Asp Glu Ile Leu Gln Ser Lys Val Leu  
 275 280 285  
 Pro Ser Lys Glu Glu Pro Val Asn Thr Val Tyr Ser Glu Val Gln Phe  
 290 295 300  
 Ala Asp Lys Met Gly Lys Ala Ser Thr Gln Asp Ser Lys Pro Pro Gly  
 305 310 315 320  
 Thr Ser Ser Tyr Glu Ile Val Ile Xaa  
 325

<210> 484  
 <211> 178  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (178)  
 <223> Xaa equals stop translation

<400> 484  
 Met Lys Leu Gln Cys Val Ser Leu Trp Leu Leu Gly Thr Ile Leu Ile  
 1 5 10 15  
 Leu Cys Ser Val Asp Asn His Gly Leu Arg Arg Cys Leu Ile Ser Thr  
 20 25 30  
 Asp Met His His Ile Glu Glu Ser Phe Gln Glu Ile Lys Arg Ala Ile  
 35 40 45  
 Gln Ala Lys Asp Thr Phe Pro Asn Val Thr Ile Leu Ser Thr Leu Glu  
 50 55 60  
 Thr Leu Gln Ile Ile Lys Pro Leu Asp Val Cys Cys Val Thr Lys Asn  
 65 70 75 80  
 Leu Leu Ala Phe Tyr Val Asp Arg Val Phe Lys Asp His Gln Glu Pro  
 85 90 95  
 Asn Pro Lys Ile Leu Arg Lys Ile Ser Ser Ile Ala Asn Ser Phe Leu  
 100 105 110  
 Tyr Met Gln Lys Thr Leu Arg Gln Cys Gln Glu Gln Arg Gln Cys His  
 115 120 125  
 Cys Arg Gln Glu Ala Thr Asn Ala Thr Arg Val Ile His Asp Asn Tyr

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130 135 140

Asp Gln Leu Glu Val His Ala Ala Ala Ile Lys Ser Leu Gly Glu Leu  
 145 150 155 160

Asp Val Phe Leu Ala Trp Ile Asn Lys Asn His Glu Val Met Ser Ser  
 165 170 175

Ala Xaa

<210> 485  
 <211> 238  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 485  
 Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Xaa Leu Leu Xaa Pro Pro  
 1 5 10 15

Ala Phe Leu Gln Pro Xaa Gly Ser Thr Gly Ser Gly Pro Ser Tyr Leu  
 20 25 30

Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met Gly Gly Ser  
 35 40 45

Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu Leu Ala Xaa Xaa

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50                      55                      60  
 Pro Xaa Val Arg Ile Ser Trp Arg Arg Gly His Phe His Gly Gln Ser  
 65                      70                      75                      80  
 Phe Tyr Ser Thr Arg Pro Pro Ser Ile His Lys Asp Tyr Val Asn Arg  
                     85                      90                      95  
 Leu Phe Leu Asn Trp Thr Glu Gly Gln Glu Ser Gly Phe Leu Arg Ile  
                     100                      105                      110  
 Ser Asn Leu Arg Lys Glu Asp Gln Ser Val Tyr Phe Cys Arg Val Glu  
                     115                      120                      125  
 Leu Asp Thr Arg Arg Ser Gly Arg Gln Gln Leu Gln Ser Ile Lys Gly  
                     130                      135                      140  
 Thr Lys Leu Thr Ile Thr Gln Ala Val Thr Thr Thr Thr Thr Trp Arg  
 145                      150                      155                      160  
 Pro Ser Ser Thr Thr Thr Ile Ala Gly Leu Arg Val Thr Glu Ser Lys  
                     165                      170                      175  
 Gly His Ser Glu Ser Trp His Leu Ser Leu Asp Thr Ala Ile Arg Val  
                     180                      185                      190  
 Ala Leu Ala Val Ala Val Leu Lys Thr Val Ile Leu Gly Leu Leu Cys  
                     195                      200                      205  
 Leu Leu Leu Cys Gly Gly Gly Glu Gly Lys Val Ala Gly Arg Gln Ala  
                     210                      215                      220  
 Val Thr Ser Asp Gln Gln Ser Val Gly Arg Arg Asp Val Tyr  
 225                      230                      235

<210> 486  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 486  
 Met Gln Lys Lys Asn Ser Leu Phe Phe Phe Phe Ala Phe Tyr Tyr Glu  
 1                      5                      10                      15  
 Asn Lys Thr Asn Ala Pro Gly Glu Gly Ser Met Ile Thr Arg Asn Ile  
                     20                      25                      30  
 Lys Glu Tyr Phe Leu Pro Phe Leu Phe Cys Cys Val Glu Ala Ser Ile  
                     35                      40                      45  
 Ala Ile Asn Lys Leu Asn Tyr Leu His Trp Thr His Phe Gln  
                     50                      55                      60

<210> 487  
 <211> 27  
 <212> PRT

<400> 487

Asp Ser Ala Ala Thr Cys Ile Val Ala Lys Gly  
20 25

<211> 339

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> SITE

 $\langle 222 \rangle \quad (142)$ 

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$ 

<221> SITE

 $\langle 222 \rangle$  (330)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$ 

&lt;221&gt; SITE

 $\langle 222 \rangle$  (335)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

 $\langle 222 \rangle \quad (336)$ 

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

&lt;221&gt; SITE

<222> (339)

<223> Xaa equals stop translation

<400> 488

Met Ser Gly Pro Asp Val Glu Thr Pro Ser Ala Ile Gln Ile Cys Arg  
1 5 10 15

Ile Met Arg Pro Asp Asp Ala Asn Val Ala Gly Asn Val His Gly Gly  
20 25 30

Thr Ile Leu Lys Met Ile Glu Glu Ala Gly Ala Ile Ile Ser Thr Arg  
35 40 45

His Cys Asn Ser Gln Asn Gly Glu Arg Cys Val Ala Ala Leu Ala Arg  
50 55 60

Val Glu Arg Thr Asp Phe Leu Ser Pro Met Cys Ile Gly Glu Val Ala  
65 70 75 80

His Val Ser Ala Glu Ile Thr Tyr Thr Ser Lys His Ser Val Glu Val  
85 90 95

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<210> 489
<211> 32
<212> PRT
<213> Homo sapiens
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Met Leu Asn Ser Asn Ile Asn Asp Leu Leu Met Val Thr Tyr Leu Ala  
1 5 10 15

Asn Leu Thr Gln Ser Gln Ile Ala Leu Asn Glu Lys Leu Val Asn Leu  
                   20                  25                  30

<210> 490  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals stop translation

<400> 490  
 Met Arg Glu Thr Ser Ile Arg Val Leu Leu Met Leu Pro Ala Leu Glu  
   1                  5                  10                  15  
 Ser Thr Ser Gly Leu Ser Ala Phe Met Gly Leu Gly Thr Arg Ile Gly  
                   20                  25                  30  
 Cys Phe Lys Thr Ile Thr Cys Trp Pro Thr Ser Leu Thr Gln Arg Xaa  
           35                  40                  45

<210> 491  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 491  
 Met Tyr Met Tyr Ser Leu Asn Val Phe Leu Ser Phe Ile Phe Leu Ala  
   1                  5                  10                  15  
 Leu Val Phe Lys Cys Val His Val Cys Gln Gly Ala Asn Ala Phe Leu  
           20                  25                  30  
 Phe Leu Lys Leu Val Phe  
           35

<210> 492  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<400> 492  
 Met Gly Leu Arg Leu Ile Cys Leu Glu Leu Thr Met Val Lys Ala Leu  
   1                  5                  10                  15  
 Val Cys Glu Met Phe Leu Phe Phe Leu Met Thr Gln Lys Leu Ile Trp

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<210> 493
<211> 346
<212> PRT
<213> Homo sapiens
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```
<400> 493
Met Leu Ala Ala Arg Leu Val Cys Leu Arg Thr Leu Pro Ser Arg Val
   1                   5               10              15
```

Thr Lys Asn Gln Trp Leu Leu Thr Pro Ser Arg Glu Tyr Ala Thr Lys  
35 40 45

Ala Ala Leu Glu Pro Ser Met Glu Lys Ile Phe Lys Ile Asp Gln Met  
65 70 75 80

Cys Tyr Tyr Gly Leu Gly Leu Ser Asn Glu Ile Gly Ala Ile Glu Lys  
100 105 110

Ala Val Ile Trp Pro Gln Tyr Val Lys Asp Arg Ile His Ser Thr Tyr  
115 120 125

Met Tyr Leu Ala Gly Ser Ile Gly Leu Thr Ala Leu Ser Ala Ile Ala  
130 135 140

Ile Ser Arg Thr Pro Val Leu Met Asn Phe Met Met Arg Gly Ser Trp  
145 150 155 160

Val Thr Ile Gly Val Thr Phe Ala Ala Met Val Gly Ala Gly Met Leu  
165 170 175

Val Arg Ser Ile Pro Tyr Asp Gln Ser Pro Gly Pro Lys His Leu Ala  
180 185 190

Trp Leu Leu His Ser Gly Val Met Gly Ala Val Val Ala Pro Leu Thr  
195 200 205

Ile Leu Gly Gly Pro Leu Leu Ile Arg Ala Ala Trp Tyr Thr Ala Gly  
 210 215 220  
 Ile Val Gly Gly Leu Ser Thr Val Ala Met Cys Ala Pro Ser Glu Lys  
 225 230 235 240  
 Phe Leu Asn Met Gly Ala Pro Leu Gly Val Gly Leu Gly Leu Val Phe  
 245 250 255  
 Val Ser Ser Leu Gly Ser Met Phe Leu Pro Pro Thr Thr Val Ala Gly  
 260 265 270  
 Ala Thr Leu Tyr Ser Val Ala Met Tyr Gly Gly Leu Val Leu Phe Ser  
 275 280 285  
 Met Phe Leu Leu Tyr Asp Thr Gln Lys Val Ile Lys Arg Ala Glu Val  
 290 295 300  
 Ser Pro Met Tyr Gly Val Gln Lys Tyr Asp Pro Ile Asn Ser Met Leu  
 305 310 315 320  
 Ser Ile Tyr Met Asp Thr Leu Asn Ile Phe Met Arg Val Ala Thr Met  
 325 330 335  
 Leu Ala Thr Gly Gly Asn Arg Lys Lys Xaa  
 340 345

<210> 494  
 <211> 237  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (237)  
 <223> Xaa equals stop translation

<400> 494  
 Met Glu Glu Val Leu Leu Leu Gly Leu Lys Asp Arg Glu Gly Tyr Thr  
 1 5 10 15  
 Ser Phe Trp Asn Asp Cys Ile Ser Ser Gly Leu Arg Gly Cys Met Leu  
 20 25 30  
 Ile Glu Leu Ala Leu Arg Gly Arg Leu Gln Leu Glu Ala Cys Gly Met  
 35 40 45  
 Arg Arg Lys Ser Leu Leu Thr Arg Lys Val Ile Cys Lys Ser Asp Ala  
 50 55 60  
 Pro Thr Gly Asp Val Leu Leu Asp Glu Ala Leu Lys His Val Lys Glu  
 65 70 75 80  
 Thr Gln Pro Pro Glu Thr Val Gln Asn Trp Ile Glu Leu Leu Ser Gly  
 85 90 95

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Glu Thr Trp Asn Pro Leu Lys Leu His Tyr Gln Leu Arg Asn Val Arg  
 100 105 110

Glu Arg Leu Ala Lys Asn Leu Val Glu Lys Gly Val Leu Thr Thr Glu  
 115 120 125

Lys Gln Asn Phe Leu Leu Phe Asp Met Thr Thr His Pro Leu Thr Asn  
 130 135 140

Asn Asn Ile Lys Gln Arg Leu Ile Lys Lys Val Gln Glu Ala Val Leu  
 145 150 155 160

Asp Lys Trp Val Asn Asp Pro His Arg Met Asp Arg Arg Leu Leu Ala  
 165 170 175

Leu Ile Tyr Leu Ala His Ala Ser Asp Val Leu Glu Asn Ala Phe Ala  
 180 185 190

Pro Leu Leu Asp Glu Gln Tyr Asp Leu Ala Thr Lys Arg Val Arg Gln  
 195 200 205

Leu Leu Asp Leu Asp Pro Glu Val Glu Cys Leu Lys Ala Asn Thr Asn  
 210 215 220

Glu Val Leu Trp Ala Val Val Ala Ala Phe Thr Lys Xaa  
 225 230 235

<210> 495

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 495

Met Ala Gln Arg Met Val Trp Val Asp Leu Glu Met Thr Gly Leu Asp  
 1 5 10 15

Ile Glu Lys Asp Gln Ile Ile Glu Met Ala Cys Leu Ile Thr Asp Ser  
 20 25 30

Asp Leu Asn Ile Leu Ala Glu Gly Pro Asn Leu Ile Ile Lys Gln Pro  
 35 40 45

Asp Glu Leu Leu Asp Ser Met Ser Asp Trp Cys Lys Glu His His Gly  
 50 55 60

Lys Ser Gly Leu Thr Lys Ala Val Lys Glu Ser Thr Ile Thr Leu Gln  
 65 70 75 80

Gln Ala Glu Tyr Glu Phe Leu Ser Phe Val Arg Gln Gln Thr Pro Pro  
 85 90 95

Gly Leu Cys Pro Leu Ala Gly Asn Ser Val His Glu Asp Lys Lys Phe

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100	105	110
Leu Asp Lys Tyr Met Pro Gln Phe Met Lys His Leu His Tyr Arg Ile		
115	120	125
Ile Asp Val Ser Thr Val Lys Glu Leu Cys Arg Arg Trp Tyr Pro Glu		
130	135	140
Glu Tyr Glu Phe Ala Pro Lys Lys Ala Ala Ser His Arg Ala Leu Asp		
145	150	155
Asp Ile Ser Glu Ser Ile Lys Glu Leu Gln Phe Tyr Arg Asn Asn Ile		
	165	170
		175
Phe Lys Lys Lys Ile Asp Glu Lys Lys Arg Lys Ile Ile Glu Asn Gly		
180	185	190
Glu Asn Glu Lys Thr Val Ser Xaa		
195	200	

<210> 496  
 <211> 351  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (351)  
 <223> Xaa equals stop translation

<400> 496
Met Ala Thr Thr Ala Ala Pro Ala Gly Gly Ala Arg Asn Gly Ala Gly
1 5 10 15
Pro Glu Trp Gly Gly Phe Glu Glu Asn Ile Gln Gly Gly Gly Ser Ala
20 25 30
Val Ile Asp Met Glu Asn Met Asp Asp Thr Ser Gly Ser Ser Phe Glu
35 40 45
Asp Met Gly Glu Leu His Gln Arg Leu Arg Glu Glu Glu Val Asp Ala
50 55 60
Asp Ala Ala Asp Ala Ala Ala Ala Glu Glu Glu Asp Gly Glu Phe Leu
65 70 75 80
Gly Met Lys Gly Phe Lys Gly Gln Leu Ser Arg Gln Val Ala Asp Gln
85 90 95
Met Trp Gln Ala Gly Lys Arg Gln Ala Ser Arg Ala Phe Ser Leu Tyr
100 105 110
Ala Asn Ile Asp Ile Leu Arg Pro Tyr Phe Asp Val Glu Pro Ala Gln
115 120 125
Val Arg Thr Gly Leu Leu Glu Ser Met Ile Pro Ile Lys Met Val Asn
130 135 140

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Phe Pro Gln Lys Ile Ala Gly Glu Leu Tyr Gly Pro Leu Met Leu Val  
145 150 155 160

Phe Thr Leu Val Ala Ile Leu Leu His Gly Met Lys Thr Ser Asp Thr  
165 170 175

Ile Ile Arg Glu Gly Thr Leu Met Gly Thr Ala Ile Gly Thr Cys Phe  
180 185 190

Gly Tyr Trp Leu Gly Val Ser Ser Phe Ile Tyr Phe Leu Ala Tyr Leu  
195 200 205

Cys Asn Ala Gln Ile Thr Met Leu Gln Met Leu Ala Leu Leu Gly Tyr  
210 215 220

Gly Leu Phe Gly His Cys Ile Val Leu Phe Ile Thr Tyr Asn Ile His  
225 230 235 240

Leu His Ala Leu Phe Tyr Leu Phe Trp Leu Leu Val Gly Gly Leu Ser  
245 250 255

Thr Leu Arg Met Val Ala Val Leu Val Ser Arg Thr Val Gly Pro Thr  
260 265 270

Gln Arg Leu Leu Leu Cys Gly Thr Leu Ala Ala Leu His Met Leu Phe  
275 280 285

Leu Leu Tyr Leu His Phe Ala Tyr His Lys Val Val Glu Gly Ile Leu  
290 295 300

Asp Thr Leu Glu Gly Pro Asn Ile Pro Pro Ile Gln Arg Val Pro Arg  
305 310 315 320

Asp Ile Pro Ala Met Leu Pro Ala Ala Arg Leu Pro Thr Thr Val Leu  
325 330 335

Asn Ala Thr Ala Lys Ala Val Ala Val Thr Leu Gln Ser His Xaa  
340 345 350

<210> 497

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (265)

<223> Xaa equals stop translation

<400> 497

Met Arg Gly Ser Arg Gly Gly Trp Ala Gly Glu Met Ala Ala Ser Gly  
1 5 10 15

Glu Ser Gly Thr Ser Gly Gly Gly Gly Ser Thr Glu Glu Ala Phe Met  
20 25 30

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Thr Phe Tyr Ser Glu Val Lys Gln Ile Glu Lys Arg Asp Ser Val Leu  
           35                          40                          45  
 Thr Ser Lys Asn Gln Ile Glu Arg Leu Thr Arg Pro Gly Ser Ser Tyr  
           50                          55                          60  
 Phe Asn Leu Asn Pro Phe Glu Val Leu Gln Ile Asp Pro Glu Val Thr  
           65                          70                          75                          80  
 Asp Glu Glu Ile Lys Lys Arg Phe Arg Gln Leu Ser Ile Leu Val His  
                           85                          90                          95  
 Pro Asp Lys Asn Gln Asp Asp Ala Asp Arg Ala Gln Lys Ala Phe Glu  
                           100                          105                          110  
 Ala Val Asp Lys Ala Tyr Lys Leu Leu Leu Asp Gln Glu Gln Lys Lys  
                           115                          120                          125  
 Arg Ala Leu Asp Val Ile Gln Ala Gly Lys Glu Tyr Val Glu His Thr  
           130                          135                          140  
 Val Lys Glu Arg Lys Lys Gln Leu Lys Lys Glu Gly Lys Pro Thr Ile  
           145                          150                          155                          160  
 Val Glu Glu Asp Asp Pro Glu Leu Phe Lys Gln Ala Val Tyr Lys Gln  
                           165                          170                          175  
 Thr Met Lys Leu Phe Ala Glu Leu Glu Ile Lys Arg Lys Glu Arg Glu  
                           180                          185                          190  
 Ala Lys Glu Met His Glu Arg Lys Arg Gln Arg Glu Glu Glu Ile Glu  
           195                          200                          205  
 Ala Gln Glu Lys Ala Lys Arg Glu Arg Glu Trp Gln Lys Asn Phe Glu  
           210                          215                          220  
 Glu Ser Arg Asp Gly Arg Val Asp Ser Trp Arg Asn Phe Gln Ala Asn  
           225                          230                          235                          240  
 Thr Lys Gly Lys Lys Glu Lys Lys Asn Arg Thr Phe Leu Arg Pro Pro  
                           245                          250                          255  
 Lys Val Lys Met Glu Gln Arg Glu Xaa  
                           260                          265

&lt;210&gt; 498

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 498

Asp Ser Met Pro Thr Cys Pro Leu Xaa Ala Ser Leu Glu Cys Gly Pro

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1                    5                    10                    15

Leu Leu Pro Val Arg Leu Cys Cys Leu

20                    25

<210> 499  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (159)  
 <223> Xaa equals stop translation

<400> 499

Met	Asn	Glu	Tyr	Arg	Val	Pro	Glu	Leu	Asn	Val	Gln	Asn	Gly	Val	Leu
1					5				10					15	

Lys	Ser	Leu	Ser	Phe	Leu	Phe	Glu	Tyr	Ile	Gly	Glu	Met	Gly	Lys	Asp
		20						25					30		

Tyr	Ile	Tyr	Ala	Val	Thr	Pro	Leu	Leu	Glu	Asp	Ala	Leu	Met	Asp	Arg
		35					40					45			

Asp	Leu	Val	His	Arg	Gln	Thr	Ala	Ser	Ala	Val	Val	Gln	His	Met	Ser
	50					55					60				

Leu	Gly	Val	Tyr	Gly	Phe	Gly	Cys	Glu	Asp	Ser	Leu	Asn	His	Leu	Leu
65					70					75				80	

Asn	Tyr	Val	Trp	Pro	Asn	Val	Phe	Glu	Thr	Ser	Pro	His	Val	Ile	Gln
			85						90					95	

Ala	Val	Met	Gly	Ala	Leu	Glu	Gly	Leu	Arg	Val	Ala	Ile	Gly	Pro	Cys
			100					105					110		

Arg	Met	Leu	Gln	Tyr	Cys	Leu	Gln	Gly	Leu	Phe	His	Pro	Ala	Arg	Lys
		115					120					125			

Val	Arg	Asp	Val	Tyr	Trp	Lys	Ile	Tyr	Asn	Ser	Ile	Tyr	Ile	Gly	Ser
		130				135					140				

Gln	Asp	Ala	Leu	Ile	Ala	His	Tyr	Pro	Arg	Ile	Tyr	Gln	Arg	Xaa	
145						150				155					

<210> 500  
 <211> 279  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (238)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (279)

&lt;223&gt; Xaa equals stop translation

&lt;400&gt; 500

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Met Ile Ser Asp Asn Ser Ala Glu Asn Ile Ala Leu Val Thr Ser Met
  1             5             10             15

Tyr Asp Gly Leu Leu Gln Ala Gly Ala Arg Leu Cys Pro Thr Val Gln
      20             25             30

Leu Glu Asp Ile Arg Asn Leu Gln Asp Leu Thr Pro Leu Lys Leu Ala
      35             40             45

Ala Lys Glu Gly Lys Ile Glu Ile Phe Arg His Ile Leu Gln Arg Glu
      50             55             60

Phe Ser Gly Leu Ser His Leu Ser Arg Lys Phe Thr Glu Trp Cys Tyr
      65             70             75             80

Gly Pro Val Arg Val Ser Leu Tyr Asp Leu Ala Ser Val Asp Ser Cys
      85             90             95

Glu Glu Asn Ser Val Leu Glu Ile Ile Ala Phe His Cys Lys Ser Pro
      100            105            110

His Arg His Arg Met Val Val Leu Glu Pro Leu Asn Lys Leu Leu Gln
      115            120            125

Ala Lys Trp Asp Leu Leu Ile Pro Lys Phe Phe Leu Asn Phe Leu Cys
      130            135            140

Asn Leu Ile Tyr Met Phe Ile Phe Thr Ala Val Ala Tyr His Gln Pro
      145            150            155            160

Thr Leu Lys Lys Gln Ala Ala Pro His Leu Lys Ala Glu Val Gly Asn
      165            170            175

Ser Met Leu Leu Thr Gly His Ile Leu Ile Leu Leu Gly Gly Ile Tyr
      180            185            190

Leu Leu Val Gly Gln Leu Trp Tyr Phe Trp Arg Arg His Val Phe Ile
      195            200            205

Trp Ile Ser Phe Ile Asp Ser Tyr Phe Glu Ile Leu Phe Leu Phe Gln
      210            215            220

Ala Leu Leu Thr Val Val Ser Gln Val Leu Cys Phe Leu Xaa Ile Glu
      225            230            235            240

Trp Tyr Leu Pro Leu Leu Val Ser Ala Leu Val Leu Gly Trp Leu Asn
      245            250            255

Leu Leu Tyr Tyr Thr Arg Gly Phe Gln His Thr Gly Ile Tyr Ser Val
      260            265            270

Met Ile Gln Lys Pro Trp Xaa

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0988271.061801

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<210> 501
<211> 193
<212> PRT
<213> Homo sapiens
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<400> 501  
Met Ile Arg Cys Gly Leu Ala Cys Glu Arg Cys Arg Trp Ile Leu Pro  
1 5 10 15

Trp Lys Cys Ser Gln Glu Gly Gly Gly Ser Gly Ser Tyr Glu Glu Gly  
50 55 60

Cys Gln Ser Leu Met Glu Tyr Ala Trp Gly Arg Ala Ala Ala Ala Met  
65 70 75 80

Leu Phe Cys Gly Phe Ile Ile Leu Val Ile Cys Phe Ile Leu Ser Phe  
85 90 95

Phe Ala Leu Cys Gly Pro Gln Met Leu Val Phe Leu Arg Val Ile Gly  
100 105 110

Gly Leu Leu Ala Leu Ala Ala Val Phe Gln Ile Ile Ser Leu Val Ile  
115 120 125

Tyr Pro Val Lys Tyr Thr Gln Thr Phe Thr Leu His Ala Asn Xaa Ala  
130 135 140

Val	Thr	Tyr	Ile	Tyr	Asn	Trp	Ala	Tyr	Gly	Phe	Gly	Trp	Ala	Ala	Thr
145					150					155					160

Ile Ile Leu Ile Gly Cys Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr  
165 170 175

Glu Asp Asp Leu Leu Gly Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser  
180 185 190

Ala

```
<210> 502
<211> 205
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (205)
<223> Xaa equals stop translation

<400> 502
Met Ala Ala Gly Asp Gln Val Phe Ser Gly Ala Gly His Val Xaa Glu
  1             5             10             15

His Val Ala Gly Gly Arg His Ala Trp Leu Leu Thr Trp Gln Ser Ala
             20             25             30

Cys Pro Ala Asn Arg Leu Ser Leu Val Pro Leu Val Pro Ser Ala Ser
             35             40             45

Met Thr Arg Leu Met Arg Xaa Arg Thr Ala Ser Gly Ser Ser Val Ile
  50             55             60

Leu Trp Met Ala Pro Ala Ala Ala Pro Thr Pro Ala Arg Ala Pro Glu
  65             70             75             80

Ala Ala Pro Thr Pro Ala Arg Ala Pro Ala Ala Ala Arg Thr Pro Ala
             85             90             95

Arg Gly Pro Thr Trp Thr Ser Pro Pro Thr Arg Val Leu Leu Gly Thr
             100             105             110

Xaa Pro Gly Pro Ser Pro Trp Arg Ser Pro Ala Arg Arg Pro Ala Gln
             115             120             125

Leu Pro Pro Pro Asp Ser Asp Leu Cys Ser Gly Pro Leu Leu Pro Gly
  130             135             140

Pro Phe Ser Pro Pro Ala Cys His Thr Ala Pro Asn Ser Val Leu Ile
  145             150             155             160

Gln Ser Leu Phe Cys Lys Ser Glu Leu Trp Trp Arg Gln Met Arg Ser
             165             170             175

Ile Thr Trp Val Pro Ser Pro Lys Ala Gly Trp Arg Trp Thr Lys Gly
             180             185             190

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Arg Lys Gln Ala Ser Pro His Arg Ile Leu Phe His Xaa  
 195 200 205

<210> 503  
 <211> 147  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (147)  
 <223> Xaa equals stop translation

<400> 503  
 Met Ala Leu Thr Leu Leu Pro Ser Val Ser Arg Leu Pro Gly Glu Arg  
 1 5 10 15

Met Ala Ala Ser Gly Leu Pro Tyr Val Leu His His Lys Ser Ser Leu  
 20 25 30

Met Lys Val Ile Phe Phe Pro Tyr Pro Val Leu Pro Leu Pro Ala Pro  
 35 40 45

Asn Gly Thr Trp Val Pro Arg Leu Val Leu Gly Leu Gly Ser Gly Asp  
 50 55 60

Gln Val His Tyr Leu Pro Ile Ser Ser Ser Ile Val Asn Tyr Gly Thr  
 65 70 75 80

Ser Val Ser Gly Lys Ser Trp Val Phe Leu Val Tyr Pro Leu His Pro  
 85 90 95

Thr Pro Thr Trp Ser Thr Arg Cys Phe Gln Val Trp Asp Leu Leu Ser  
 100 105 110

Val Glu Leu Pro Asp Lys Gly Glu Gly Asn Thr Arg Arg Ala Ser Gly  
 115 120 125

Val Pro Gly Leu Ser Gln Leu Pro Thr Ser His Lys Pro Ile Lys Gln  
 130 135 140

Glu Tyr Xaa  
 145

<210> 504  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals stop translation

<400> 504  
 Met Val Trp Val Leu Trp Ser Ala Pro Ser Leu Ala Pro Pro Trp Val

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1 5 10 15  
 Gly Pro Cys Trp Pro Ser Thr Gly Asn Cys Cys Leu Cys Glu Val Gly  
                   20                  25                  30  
 Ala Ala Leu Pro Pro Arg Gly Pro Ser Leu Ser Asp Cys Leu Gly Leu  
                   35                  40                  45  
 Pro Pro Trp Thr Pro Trp Gly Pro Ala Trp Thr Leu Ala Gln Ser Xaa  
                   50                  55                  60

<210> 505  
 <211> 94  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (94)  
 <223> Xaa equals stop translation

<400> 505  
 Met Ser Thr Gly Ala Leu Asn Thr Ser Pro Pro Ala Ser Asn Arg Leu  
                   1                  5                  10                  15  
 Glu Ser Thr Leu Asn Glu Tyr Leu Ile Gln Pro Gln Leu His Cys Ser  
                   20                  25                  30  
 Ser Val Gln Arg Leu Thr Leu Lys Trp Gly Cys Ser Ser Leu Gln Arg  
                   35                  40                  45  
 Asp Gly Gln Ala Val Pro Trp Gly Leu Trp Gln Arg Ala Tyr Pro Ser  
                   50                  55                  60  
 Leu Leu Pro Thr Leu Pro Ser Asp Leu Leu Arg Pro His Ala Val Thr  
                   65                  70                  75                  80  
 Pro Ser Val Ser Val Ser Val His Thr Cys Glu Ser Ser Xaa  
                   85                  90

<210> 506  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 506  
 Met Phe Leu Ile Phe Val Tyr Phe Leu Lys Ile Leu Phe Ser Ser Ser  
                   1                  5                  10                  15  
 Leu Pro Phe Leu Trp Leu  
                   20

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<210> 507  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 507  
 Met Phe Leu Ile Phe Val Tyr Phe Leu Lys Xaa Leu Phe Ser Ser Ser  
     1                    5                    10                    15  
 Leu Pro Phe Leu Trp Leu  
                     20

<210> 508  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 508  
 Arg Gly Gly Leu Cys Pro Leu Leu Val Pro Gly Pro Leu Ala Arg Gln  
     1                    5                    10                    15  
 Glu Pro Ser Pro Ser Leu Gln Gly Cys Ser Glu Ser Pro Val Gly Met  
                     20                    25                    30

Asp

<210> 509  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 509  
 Met Gln Phe Leu Leu Thr Ala Phe Leu Leu Val Pro Leu Leu Ala Leu  
     1                    5                    10                    15  
 Cys Asp Val Pro Ile Ser Leu Gly Phe Ser Pro Ser  
                     20                    25

<210> 510  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 510  
 Pro Gly Lys Pro Gln Ala Cys Pro Glu Leu Thr Ser Val Leu Pro  
     1                    5                    10                    15

<210> 511

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<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals stop translation
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Met Val Asp Ile Ser Lys Met His Met Ile Leu Tyr Asp Leu Gln Gln  
1 5 10 15

Asn Leu Ser Ser Ser His Arg Ala Leu Glu Lys Gln Ile Asp Thr Leu  
20 25 30

Ala Gly Lys Leu Asp Ala Leu Thr Glu Leu Leu Ser Thr Ala Leu Gly  
35 40 45

Pro Ser Ser Phe Gln Asn Pro Ala Ser Ser Pro Ser Ser Trp Thr His  
50 55 60

Glu Glu Glu Pro Gly Tyr Phe Pro Gln Tyr Xaa  
65 70 75

<211> 10

<213> Homo sapiens

Leu Pro Leu Ala Glu Leu Lys Asn Trp Val  
1 5 10

<211> 207

<213> Homo sapiens

&lt;221&gt; SITE

<223> Xaa equals any of the naturally occurring L-amino acids

<221> SITE

<223> Xaa equals stop translation

Met Leu Trp Phe Gly Gly Cys Ser Ala Val Asn Ala Thr Gly His Leu  
1 5 10 15

Ser Asp Thr Leu Trp Leu Ile Pro Ile Thr Phe Leu Thr Ile Gly Tyr  
20 25 30

Gly Asp Val Val Pro Gly Thr Met Trp Gly Lys Ile Val Cys Leu Cys  
35 40 45

Thr Gly Val Met Gly Val Cys Cys Thr Ala Leu Leu Val Ala Val Val  
50 55 60

Ala Arg Lys Leu Glu Phe Asn Lys Ala Glu Lys His Val His Asn Phe  
65 70 75 80

Met Met Asp Ile Gln Tyr Thr Lys Glu Met Lys Glu Ser Ala Ala Arg  
                   85                  90                  95

Val Leu Gln Glu Ala Trp Met Phe Tyr Lys His Thr Arg Arg Lys Glu  
                   100                  105                  110

Ser His Ala Ala Arg Arg His Gln Arg Xaa Leu Leu Ala Ala Ile Asn  
                   115                  120                  125

Ala Phe Arg Gln Val Arg Leu Lys His Arg Lys Leu Arg Glu Gln Val  
                   130                  135                  140

Asn Ser Met Val Asp Ile Ser Lys Met His Met Ile Leu Tyr Asp Leu  
                   145                  150                  155                  160

Gln Gln Asn Leu Ser Ser Ser His Arg Ala Leu Glu Lys Gln Ile Asp  
                   165                  170                  175

Thr Leu Ala Gly Lys Leu Asp Ala Leu Thr Glu Leu Leu Ser Thr Ala  
                   180                  185                  190

Leu Gly Pro Arg Gln Leu Pro Glu Pro Ser Gln Gln Ser Lys Xaa  
                   195                  200                  205

&lt;210&gt; 517

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 517

Met Trp Arg Cys Arg Gly Lys Leu Ser Phe Pro Leu Phe Ala Val Val  
   1                  5                  10                  15

Ile Val Ser Cys Arg Lys Asp Gly Pro Asp Ala Ala Ala Ala Pro Ala  
                   20                  25                  30

Val Xaa Lys Lys  
                   35

&lt;210&gt; 518

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 518

Met Ala Leu Val Ala Leu Phe Thr Gln Leu Met Arg Xaa Leu Gly Arg

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<210> 519
<211> 32
<212> PRT
<213> Homo sapiens
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<210> 520
<211> 28
<212> PRT
<213> Homo sapiens
```

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<210> 521
<211> 26
<212> PRT
<213> Homo sapiens
```

```
<210> 522
<211> 33
<212> PRT
<213> Homo sapiens
```

```

<400> 522
Met Ile His Val His Glu Trp Asn Asp Gln Met Leu Met Val Tyr Ile
  1             5             10             15
Phe Leu Tyr Pro Val Ser Ile Thr Phe Leu Asn Leu Cys Ser Leu Thr

```

20

25

30

Cys

&lt;210&gt; 523

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 523

Leu	Asn	Glu	Ser	Tyr	Val	Ser	Arg	Ala	Gly	Gly	Trp	Phe	Ser	Met	Phe
1				5					10					15	

Xaa	Leu	Ile	Phe	Phe	Leu	Leu	Ala	Leu	Gly	Ser	Xaa	Leu	Cys	Leu	Leu
		20					25						30		

Leu	Cys	Leu	Pro	Ser	Phe	Asn	Lys	Thr	Arg	Arg	Lys	Gln	Lys	Pro
	35					40						45		

&lt;210&gt; 524

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 524

Ser	Ser	Lys	Thr	Pro	Leu	Pro	Ser	Glu	Arg	Arg	Trp	Ile	Ser	Gly	Ser
1				5				10						15	

Ser	Leu	Met	Ala	Pro	Arg	Pro	Trp	Leu	Leu	Gly	Ile	Ala	Leu	Leu	Gly
		20					25						30		

Leu	Trp	Ala	Leu	Glu	Pro	Ala	Leu	Gly	His	Trp
	35						40			

&lt;210&gt; 525

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 525

Leu	Asn	Trp
1		

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<210> 526  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 526  
 Phe Ala Phe Cys Ala Glu Leu Met Ile Gln Asn Trp Thr Leu Gly Ala  
   1                  5                  10                  15  
 Val Asp Ser Gln Met Asp Asp Met Asp Met Asp Leu Asp Lys Glu Phe  
                   20                  25                  30  
 Leu Gln Asp Leu Lys Glu Leu Lys Val Leu Val Ala Asp Lys Asp Leu  
                   35                  40                  45  
 Leu Asp Leu His Lys Ser Leu Val Cys Thr Ala Leu Arg Gly Lys Leu  
                   50                  55                  60  
 Gly Val Phe Ser Glu Met Glu Ala Asn Phe Lys Asn Leu Ser Arg Gly  
   65                  70                  75                  80  
 Leu Val Asn Val Ala Ala Lys Leu Thr His Asn Lys Asp Val Arg Asp  
                   85                  90                  95  
 Leu Phe Val Asp Leu Val Glu Lys Phe Val Glu Pro Cys Arg Ser Asp  
                   100                  105                  110  
 His Trp Pro Leu Ser Asp Val Arg Phe Phe Leu Asn Gln Tyr Ser Ala  
                   115                  120                  125  
 Ser Val His Ser Leu Asp Gly Phe Arg His Gln Ala Ser Gly Thr Ala  
                   130                  135                  140  
 Thr Trp Ala Pro Ser Ala Ala Ala Ser Cys Ala Cys Ile Met Thr Glu  
   145                  150                  155                  160  
 Val Pro Pro Asn Ala Pro Pro Thr Leu Thr Ile Lys Leu Leu  
                   165                  170

<210> 527  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 527  
 Met Trp Lys Asn Leu Gly Ser Gly Ser Val Phe Val Thr Trp Phe Ser  
   1                  5                  10                  15  
 Leu Val Met Ile Leu Ser Gly Ile Gly Pro Leu Gly Asp Ala Glu Asp  
                   20                  25                  30  
 Ser Ile Ser Asp Val Ser His Arg Leu Arg Pro  
                   35                  40

<210> 528  
 <211> 13

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<212> PRT  
 <213> Homo sapiens

<400> 528  
 Phe Gln Phe Pro Leu Leu Thr Ile Ala Leu Gln Phe Leu  
 1 5 10

<210> 529  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 529  
 Met His Tyr Val Ile Val Leu Ser Leu Phe Val Val Leu Glu Lys Lys  
 1 5 10 15  
 Asn Lys Met Gly Ser Asp Gly Cys Leu Arg Lys Asn Gly Ser  
 20 25 30

<210> 530  
 <211> 3  
 <212> PRT  
 <213> Homo sapiens

<400> 530  
 Met Lys Thr  
 1

<210> 531  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 531  
 Met Ser Arg Ser Ile Val Leu Arg Gly Ser Leu Phe Leu Phe Phe Ser  
 1 5 10 15  
 His Tyr Thr Leu Lys Leu Leu Ser Val Ile Lys Gln Thr Asn Arg Lys  
 20 25 30  
 Ile Val Trp Glu Lys Pro Cys Ile Arg Leu Phe Tyr Xaa Val Leu  
 35 40 45

<210> 532  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 532

09082174 061901

